





Presented by
Oliver Barnes

CITY DOCUMENTS
OF THE
CITY OF LOWELL
MASSACHUSETTS
FOR THE
YEAR 1927 - 1928



LOWELL, MASS.
BALFE SERVICE CO.,  190 MIDDLE ST.
1930

EXTRACT FROM THE ORDINANCES OF LOWELL

Chapter VIII.—City Documents.

Section 5. All City Documents (except the Rules and Regulations for the Government of the Police and Fire Departments) shall be printed in pamphlet form of the size of the Annual Report of the School Committee.

Section 6. All City Documents shall be bound together in one volume, under the direction of the City Clerk, and three or more copies shall be placed in the City Library, and one copy in the library of the Middlesex Mechanics' Association, one copy shall be sent to each City of the Commonwealth, to the library of the Harvard College, the Public Library of Boston, the State Library, the Smithsonian Institute at Washington, and the Old Residents' Historical Association of Lowell.

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Inaugural Address of
HON. THOMAS J. CORBETT



MAYOR OF LOWELL, MASSACHUSETTS
1928



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HON. THOMAS J. CORBETT, Mayor

Mayor's Inaugural Address

Gentlemen of the City Council of the City of Lowell:

At the beginning of the Municipal year of 1928, entering upon the second year of my term as Mayor, it seems sensible and fitting that I should address briefly the City Council. At the outset I wish to say a word of congratulation and appreciation to the members who have already served in this body and to extend a word of welcome to the incoming members, with the hope that they may be able to serve the City with profit to the citizens and satisfaction to themselves.

I am not unmindful of the many difficulties that confront the members of the council at any time, and therefore I am very much aware of the difficulties that present themselves in these days when there is more or less industrial depression.

I think that we should have at the beginning of the year certain definite and well defined policies which we intend to follow, but I know and you know that very often on account of circumstances which may arise it may be necessary to alter, amend or curtail them.

The people of our city are as they have ever been thrifty, industrious, law-abiding and intelligent, in fact they have had in times of war and peace a most honorable record; the merchants and manufacturers of Lowell stand out as men of the highest integrity; our city has many great natural advantages, more valuable even today than they were when the city was first founded, and therefore there is not simply hope, there is absolute certainty, that this city must thrive and advance if all who serve it make even reasonable efforts.

We have then an honorable duty and a great privilege in having been called to manage the affairs of such a community.

I know the extent of the power, authority and duty of the Mayor. I am aware of the rights, privileges, and duty of the City Council, and I understand the functions and duties of the administrative officers of the city; these are all clearly defined and distinct but, at the same time, we must know that it is only by the harmonious, intelligent, and sincere co-operation of all these agencies that the results for which we all should hope can be secured.

In the performance of our duties, where we are trying to serve so many, we must expect and do expect criticism; and when criticism is well founded and is made with a sincere purpose to improve and help we should not only expect it but welcome it.

Accomplishments

A year ago, when I addressed this body, I dealt with a number of things which seemed to me at that time to be of great concern and interest to the people. At that time I mentioned certain policies which I considered very important and which I wished to make effective; I still believe in and adhere to those policies and urge that they be given continued attention. Along the line of certain suggestions made at that time much has been accomplished and in the doing of these things I have had the co-operation of this body for which I thank you and express my appreciation.

I expressed the hope that we might have reduced expenditures and a lower tax rate we have reduced expenditures and we have had a lower tax rate. I recommended a less expensive and more extensive street building program; I think I may safely say that we have shown improvement along this line. I demanded a reform in the needless and expensive use of city-owned automobiles; no one can question that there has been a sweeping reform. I asked for a closer and more business-like checking in the purchase of materials and supplies; a marked improvement can already be found in this matter. I mentioned expensive and more or less needless junkets at public expense; I am sure that that matter has been attended to properly. I referred to the need of method and care in the administration of the Water Department, I believe that we have made some noticeable improvement. I recommended that a competent commission be arranged for to make a close and intimate

study of the health activities of the city, very wide-spread activities as they are; whatever may be accomplished in the future along this line, we have before us now very definite conclusions arrived at by interested and competent men.

Let me say, then, at this point, so far, so good; a continuance of the course followed during the year just passed, since it will be admitted on all sides that an advance has been made, must bring us a greatly improved condition in municipal affairs; the tendency and direction are correct, we have only to follow them.

In a word, then, we who make up the government of the city must do a very large part of the work for the common welfare of the city, but we must also have assurance, expressed or implied, from the citizens that they are anxious to assist us in our efforts, giving commendation where it is deserved and can be given and refraining reasonably from a kind of complaining which suggests no remedy. We have many important civic groups in this city, whose aim is the general improvement of the community and we invite their co-operation and believe that they can be very helpful.

Government costs can be high or low as the public desire. Today, though, even when economy is stressed, demands are made on every hand for things which we did not have at all only a few years ago, and which are regarded today as necessary. We cannot go back, even if we would, to the general conditions of an earlier day. At the same time, while I say that we should have all reasonable improvements and advantages which average, self-respecting communities have, we should have them at most reasonable cost and by methods which are free from waste and needless expense.

Tax Reduction

It can be said with truth that our treasury is in sound and stable condition, that our municipal financial credit and standing are excellent; at the same time I would remind you that large payments on debt and interest continue, and are to continue for many years to come, for such improvements and betterments as more modern schools, the Memorial Auditorium, the Isolation Hospital, streets and sewers and other minor improvements which the people demanded, which they are now enjoying, and which are, without question, creditable burdens; indebtedness for things worth while is not to the discredit either of individuals or of communities.

We are then in good shape as to our credit and finances and we have but to continue as we are now going to make our financial condition even better; I believe this so thoroughly that I am certain that a continuance of our present course will lead during the coming year to a still further reduction in the tax rate.

We should have in store a reasonably large surplus unappropriated cash reserve, but only a reasonable one, such a one as will insure us against ordinary emergencies, for, under our municipal finance law, a city can never be left without the necessary funds to take care of any extreme emergencies. Therefore, whenever it appears that the cash surplus is such that it will permit us to lessen the burden of direct taxation, it seems to me that it will be sound municipal policy as well as good financing, to find to some extent in the cash reserve relief from direct taxation.

Finances and General Debt

The general debt has been decreased approximately \$200,000.00 during the year 1927; the temporary revenue loans which were frequently carried over in December to the extent of \$1,800,000.00 will be carried over by the city treasurer into this current year 1928 to the extent of \$1,400,000.00, a significant fact which indicates a healthy, sound and satisfactory condition of the city's finances.

Furthermore, the revenues of the city can be increased and should be increased by the collection of various sums due the city and carried upon the books of the City Auditor to the amount of \$20,000.00.

Police and Fire

Police and Fire Protection are without question matters of the greatest importance in city administration; no effort should be spared to make protection of life and property efficient to the highest degree. In these important departments, training and discipline are essential above all other things. Outside interference in these departments has been lessened to some degree, but it should disappear altogether.

Assessors

In the orderly conduct of public business, we must have a competent, capable, and conscientious board of assessors, men who are devoted to the duty of raising the city's revenues by a just and equitable method. In connection with this topic I would merely refer to the thought expressed by State Tax Commis-

sioner Long recently in this very Council Chamber when he declared that, if you expect to obtain the service to which you are entitled, you must provide the assessors with the necessary tools.

Poor

It seems advisable in dealing with this important topic to suggest that you consider carefully the wisdom of buying under contract the food and supplies for the poor and needy; these supplies are furnished at present under a contract arrangement, but there is in many minds honest doubt that this method is the fairest method either for the city or for those who seek help from the city. I am not ready with any hard and fast answer to the question at the present time, but I am very positive that the question should receive at an early date your most careful attention.

Chelmsford Street Hospital

The wise and kindly management of this necessary institution should always be a matter of deep concern to the City Government; its work should appeal to us and our sole purpose in dealing with it should be to see that our dependents who are cared for there receive every reasonable consideration.

Health

During the year 1927 an ordinance was passed for the creation of a commission to study the numerous activities and the problems which have to do with the health of the city; this commission was made up of competent physicians and laymen and a very comprehensive report was submitted by them. The making of such a survey as this commission has given us is an important step in the right direction and I can only express the hope that we may be able in the near future to make use of what they have done so thoroughly.

Department of Soldiers' Benefit

The expenditure necessary to support and maintain this department is bound to be considerable and must depend more or less upon industrial conditions; at the same time, however, it is a plain provision of the law that those who come to this department for aid must receive every necessary assistance and reasonable consideration.

Parks and Playgrounds

In Modern America the establishment of parks and public playgrounds has grown to a remarkable degree. No one can question the advantages and benefits to be derived from these

by old and young alike. While we must not neglect them, we can not forget that the maintenance of them is expensive.

Sewers

We are very fortunate in Lowell in having a gravity system of sewerage, operated and maintained consequently at a reasonable cost. It seems to me to be wise policy to provide at all times sewers wherever they are shown beyond question to be necessary; ordinary regard for the health of the people demands this.

Streets

During the past twenty-five years, many of the most important thoroughfares of the city have been laid in granite block paving and with respect to such streets we will compare favorably with any city in the state; it is not necessary, nor advisable, however, that much more paving of this character should be laid in city streets for some time to come.

I still recommend to you, as I did one year ago, that we adhere to the policy of building asphalt streets in residential districts. From investigations made during the past year I have learned that progressive cities are adopting this style of paving. It is sanitary, durable, and inexpensive in comparison with block paving. During the past year the Department of Streets made a banner record in the matter of paving. From the report of the department I have obtained the following data:

Nineteen streets of asphaltic concrete with an area of 86,088 square yards were laid; 23 streets of penetration asphaltic macadam with an area of 17,661 square yards; 13 streets of bituminous macadam with an area of 21,250 square yards; 10 streets of granite block paving with an area of 11,658 square yards; Bridge and Stevens Streets were laid with an area of 5,174 square yards of reinforced concrete. All these items give us a total for the year 1927 of 141,832 square yards, an increase of nearly 50,000 square yards over the area laid in 1926.

Public Education

Just at present there is much discussion of the cost of public education and the discussion is by no means confined to Lowell. I believe that intelligent discussion and criticism which aims to be constructive will be of benefit to the schools.

One year ago I stated that about one-fourth of all the money raised by local taxation is expended on the schools, but I have found that it is equally true that in practically all progressive cities the rate of expenditure is at least as high as in Lowell.

Ranked according to the expenditures for school support from local taxation for the fiscal year 1926. Lowell stands twenty-fourth among the thirty-nine cities of the Commonwealth.

In dealing with so vital a matter as the support of schools, we should be neither extravagant nor over-economical; we need not be the highest, but we should be by no means the lowest.

There are certain standards which have come to exist in cities of average wealth and progressiveness which I think Lowell citizens have a right to expect in this community; in fact, I am quite certain that when we come to set forth the merits of our city as an attractive place in which to live, we must be able to say that in educational activities we are maintaining an entirely respectable place.

If our schools compare favorably with those of a large number of representative cities of the state in opportunities offered, in cost of support, in the character and training of the teaching force, and in the showing made by our pupils in comparison with those of other school systems, then I think that we are on reasonably sure ground.

During the year just past, we have endeavored to conduct the schools with economy—perhaps with too close economy in certain respects; during the coming year I shall do all in my power as a member of the School Committee to keep down the school costs and, as one step to that end, I shall not favor any additions or replacements in the department until I shall have been convinced that they are necessary for the efficient management of the schools.

Pawtucket Boulevard

It seems to me that measures should be taken by us to persuade the State authorities to take over the care and control of the Pawtucket Boulevard, and I feel that if all who should be interested in this important matter make a sincere effort, we can secure the legislation necessary to bring about this end. It would seem that little argument is necessary to convince any fair-minded man that this highway should be supported and maintained by the state or county rather than by the city; it is

to all intents and purposes a continuation of the Daniel Webster highway and is used very largely for inter-state or through-city travel; besides, throughout practically its entire extent, it has but a very few pieces of taxable property from which the city of Lowell derives any revenue. Here is a project that deserves intimate study and urgent agitation and should be presented as strongly as possible to our legislative representatives.

Isolation Hospital

To a very great extent, what I have just said concerning the Pawtucket Boulevard applies to the Isolation Hospital. The city built and is now maintaining this hospital by direct order of the State, and when we consider that Lowell and Cambridge are perhaps the only municipalities which maintain such hospitals, it would seem to be only fair and reasonable that we should leave no stone unturned to have the state or county relieve the city of this most unusual burden. I suggest that if all the municipal representatives, without exception, and all our state and county representatives, make a real and whole-hearted effort to bring about a change in the control and support of this hospital, the city will obtain the relief which it needs and should have.

Lighting

Persistent agitation of the question of municipal and domestic lighting costs during the past year has brought about results of a most substantial character. As a result of our appeal to the Department of Public Utilities, rates for municipal lighting have already been set and a contract to cover a period of six years is to be presented and adopted. Growing out of these efforts will come a saving of \$17,000.00 per year and a total saving for the term of six years of at least \$100,000.00; with certain changes which will come year by year, this total is certain to exceed \$100,000.00. Further, as what we might call a by-product of this agitation, the city will profit through increased valuation of the lighting plants, it having been developed in the course of the investigation that the lighting properties were not assessed for the values presented to the commission; this one consideration alone means \$30,000.00 additional yearly revenue to the city.

And following this, it is more than probable that there will be similar gains, whether large or small, to the people of the city when conclusions shall have been reached with respect to domestic rates.

Conclusion

In conclusion, I think you will find, upon intimate and honest examination, that in all departments there has been a reasonable adherence to the plan laid down at the beginning of the year 1927, a plan of co-ordinate and co-operative management in municipal affairs; it is only by following that plan that we can hope to do the things necessary for the proper management of our public affairs, a management which will satisfy not only the public but the whole force of administrators who are carrying on the public business.

As Mayor, I am determined to bring about all possible improvement in the management of the affairs of this city. Let us profit as we may by past experiences, experience is a good teacher, but let us at the same time have our faces turned toward the problems of the present and what awaits us for the coming year.

One Hundred and Second Annual Report
OF THE
SCHOOL COMMITTEE
OF THE
CITY OF LOWELL

AND THE

Sixty-Fourth Annual Report
OF THE
Superintendent of Public Schools

1927



LOWELL, MASS.

CITY OF LOWELL

Office of the School Committee,

Lowell, Mass., March 6, 1928.

At a meeting of the School Committee, held on this date, it was voted to adopt the report of the Superintendent of Schools for 1927 as the report of the School Committee for that year and to authorize the printing of the report.

In accordance with this vote the report is herewith submitted.

HUGH J. MOLLOY,

Secretary.

ORGANIZATION

OF THE

School Committee 1927

HON. THOMAS J. CORBETT, Mayor, Chairman
 EDWARD J. ROGERS, Vice-Chairman
 HUGH J. MOLLOY, Secretary

MEMBERS

	Term Expires
HON. THOMAS J. CORBETT.....	1928
Res. 361 Concord St. Tel. 4967.	
Bus. City Hall. Tel. 395	
ARTHUR H. R. GIROUX.....	1927
Res. 794 Moody St. Tel. 6258-M	
Bus. 24 Prince St. Tel. 2290	
PAUL L. HARRIS, M. D.....	1928
Res. 50 Fay St. Tel. 7389	
ALICE F. D. PEARSON.....	1928
Res. 69 Clitheroe St. Tel. 2479	
JOHN H. PRESTON.....	1929
Res. 19 Bertram St. Tel. 8444	
Bus. Whidden St. Tel. 1366	
JAMES H. RILEY.....	1927
Res. 39 Methuen St. Tel. 4938-W	
Bus. 53 Central St. Tel. 6772	
EDWARD J. ROGERS.....	1929
Res. 779 Central St. Tel. 5432-W.	

REGULAR MEETINGS OF THE SCHOOL COMMITTEE

January 25	May 31	September 27
February 23	June 28	October 25
March 29	July 26	November 29
April 26	August 30	December 27

ORGANIZATION OF SCHOOL COMMITTEE, 1927

ADMINISTRATION

Superintendent of Public Schools

HUGH J. MOLLOY

Office in City Hall

Office Tel. 2728

Home Tel. 3121

Office Hours — One hour after the forenoon sessions of the schools;
at other times, including Saturdays, by appointment.

Clerks

FANNIE A. THOMPSON

Home Tel. 1066

FLORENCE J. HUNTER

Home Tel. 2974-J

Business Agent

HENRY L. WILLIAMS

Office Tel. 2727

Home Tel. 2714

Clerk in Business Agent's Office

LEDA C. LAMONTAGNE

Office in School Supply Room, City Hall

Stock-keeper

FREDERICK JOHNSTON

Office hours for Supply Room

8 a. m. to 5 p. m.

Supervisor of Janitors

WILLIAM F. THORNTON

Office Tel. 3960

Home Tel. 8484

Attendance Officers

Wm. F. Thornton, Camille Roussin, George F. Lee, Mary H. Downey

Clerk in Attendance Office

STELLA G. MOLONEY

Office—Third Floor, City Hall

Office Hours—9 to 4 o'clock daily, except Saturday;
Saturday, 9 to 12.30 o'clock.

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OF THE

School Committee 1928

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 EDWARD J. ROGERS, Vice-Chairman
 HUGH J. MOLLOY, Secretary

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Bus. City Hall. Tel. 395	
DANIEL J. O'CONNOR.....	1930
Res. 56 Arlington St. Tel. 4513-M	
Bus. Merrimack St. Tel. 6000	
PAUL L. HARRIS, M. D.....	1928
Res. 50 Fay St. Tel. 7389	
ALICE F. D. PEARSON.....	1928
Res. 69 Clitheroe St. Tel. 2479	
JOHN H. PRESTON.....	1929
Res. 19 Bertram St. Tel. 8444.	
Bus. Whidden St. Tel. 1366	
HUGH F. DOWNEY, Esq.	1930
Res. 56 Huntington St. Tel. 5425	
Bus. 8 Merrimack St. Tel. 1629	
EDWARD J. ROGERS.....	1929
Res. 779 Central St. Tel. 5432-W.	

REGULAR MEETINGS OF THE SCHOOL COMMITTEE

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Clerk in Attendance Office

STELLA G. MOLONEY

Office—Third Floor, City Hall

Office Hours—9 to 4 o'clock daily, except Saturday;
Saturday, 9 to 12.30 o'clock.

REPORT OF THE Superintendent of Schools

Office of the Superintendent of Schools.
Lowell, Mass., March 6, 1928.

To the School Committee of Lowell:

The following report for the year 1927, is respectfully submitted.

SUMMARY OF STATISTICS

Valuation of City	\$141,759,193.00
Valuation of school property	4,537,390.00
Rate of taxation, \$30.00 per \$1000.	
Expenditures for Day Schools	1,386,804.75
Expenditures for Evening Schools and Americanization	51,685.00
Day School expenditures to total valuation.....	.978 per cent
Day and Evening School expenditures to total valuation	1.01 per cent
Population by census of May 1925	112,759
Number of polls	28,512
Number of Public Day Schools	73
One high; five junior high; thirteen grammar; thirty-one primary; three mixed; nineteen kindergartens and one continuation.	
Number of school buildings	49
Occupied by public schools 47; occupied by vocational schools, 2.	
Elected teachers, December 31; on leave 2; in service, 518; total 520.	
Permanent Substitutes	15
Subdivisions of elected teachers in service:	
High, 35 men; 69 women; Junior High, 8 men, 93 women; Grammar, 5 men, 121 women; Primary, 110 women; Mixed, 6 women; Kindergarten, 35 women; Continuation, 5 men, 6 women; Drawing, 3 women; Music, 3 women; Sewing, 5 women; Supervisor of Primary Grades, 1 woman; Director of Fire and Accident Prevention in the Elementary Schools, 1 man; Physical Instructors in Elementary Schools, 5 men, 3 women; Reading and Expression, 1 woman; Supervisor of Writing in Primary Schools, 1 woman; Instructor of High School Military Band, 1 man; High School Military Instructor, 1 man.	
Teachers in Evening Schools counting principals, term of 1926-1927	60

Pupils enrolled in Evening Schools, term of 1926-27 High, 1450; Elementary, 474	1,924
Whole number of pupils enrolled in Day Schools, 1926-27 High, 2651; Junior High, 2644; Grammar, 4130 Primary, 4449; Mixed, 277; Kindergarten, 856	15,007
Average number belonging to Day Schools, 1926-27 High, 2387; Junior High, 2445; Grammar, 3831; Primary, 4049; Mixed, 237; Kindergarten, 661	13,610
Average number belonging to Day Schools for year ending December, 1927: High, 2398; Junior High, 2450; Grammar, 3861; Primary, 3855; Mixed, 232; Kindergarten, 721	13,517
Average attendance, 1926-27: High, 2269; Junior High, 2328; Grammar, 3625; Primary, 3776; Mixed, 223; Kindergarten, 561	12,782
Average per cent of attendance, 1926-27: High, 95.0; Junior High, 95.2; Grammar, 94.6; Primary, 93.0; Mixed, 94.6; Kindergarten, 84.8.	
Average membership for year ending December, 1927: High, 2337; Junior High, 2491; Grammar, 3945; Primary, 3872; Mixed, 236; Kindergarten, 668	13,549
Number of school rooms in actual use in June, 1927: High, 79; Junior High, 73; Grammar, 109; Primary, 117; Mixed, 6; Kindergarten, 19	403
Number of school rooms in actual use in December, 1927: High, 79; Junior High, 73; Grammar, 113; Primary, 111; Mixed, 6; Kindergarten, 19	401
Average number to each room for year ending June, 1927: High, 30; Junior High, 33; Grammar, 35; Primary, 35; Mixed, 35; Kindergarten, 37.	
Average number to each room for year ending December, 1927: High, 30; Junior High, 34; Grammar, 34; Primary, 35; Mixed, 39; Kindergarten, 38.	
Average cost of each pupil for tuition only, based on average number belonging: High, 101.40; Junior High, 91.66; Grammar, 62.06; Primary and Mixed, 52.08; Kindergarten, 66.73.	
Average cost per pupil based on the average number belonging and on the total expenditures for tuition, janitor service, supervision, supplies, fuel and all incidentals	94.22

VOCATIONAL SCHOOL

Boys: Buildings, 1; rooms, 16; teachers, 16; pupils enrolled, 254; average number belonging, 181; average number attending, 170; per cent of attendance, 94.

Girls: Buildings, 1; rooms, 9; teachers, 12; pupils enrolled, 100; average number belonging, 75; average number attending, 67; per cent of attendance, 89.

RECEIPTS AND EXPENDITURES

Expenditures

Appropriated and Assessed in 1927	\$1,436,419.95
Smith Hughes Fund	11,357.62
Amount Disbursed	1,438,490.75
Unexpended balance	9,286.82
Teachers of Day Schools:	
High School	238,177.15
Junior High Schools—Bartlett	\$56,867.97
Butler	42,588.38
Moody	17,135.59
Morey	54,763.95
Varnum	32,861.61
	<hr/>
	\$204,217.50
Grammar Schools—Bartlett	\$11,036.83
Butler	9,908.61
Colburn	16,728.31
Edson	19,427.62
Green	24,171.11
Greenhalge	23,101.84
Lincoln	25,688.74
Moody	8,455.36
Morey	20,448.16
Pawtucket	20,036.70
Riverside	10,941.64
Varnum	12,729.00
Washington	13,502.65
	<hr/>
	\$216,176.57
Primary and Mixed Schools	\$198,764.45
Kindergartens	47,918.85
Special Teachers	48,896.52
Substitutes	13,365.00
	<hr/>
Total paid for instruction in Day Schools	967,516.04

SUPERINTENDENT'S REPORT

Summer Schools\$ 5,259.00

Janitors:

Janitors of Day Schools 135,774.07
 Pensions 499.92
 Repairers of Furniture 3,600.00
 Electricians 4,169.00
 Firemen 11,219.63

Evening Schools:

Teachers, High and Elementary Schools... 19,744.00
 Janitors 4,333.00
\$184,598.62

Continuation School 23,073.05

Smith Hughes 2,110.45

Americanization:

Teachers 4,951.00
 Janitors 438.00
\$ 5,389.00

Cost of Supervision:

Superintendent of Schools 7,000.00
 Office Assistants 3,000.00
 Business Agent 3,300.00
 Stock-keeper 1,800.00
 Clerk in Supply Room 1,400.00
 Attendance Officers (four) 8,755.79
 Clerk in Attendance Office 1,400.00
 Chauffeur and General Labor 1,750.00
\$ 28,405.79

Vocational School Teachers and Janitors 93,114.50

Total Salaries, Vocational Schools omitted 1,211,092.95

Total Salaries, Vocational Schools included 1,304,207.45

Expended for Bills for the Year 1927

Coal \$44,100.79
 Wood 406.52
 Water 4,689.35
 Board of Truants..... 905.14
 Electricity 10,516.88
 Gas 3,498.47
 General Repairs 2,043.56
 Electrical Repairs 1,491.63

SUPERINTENDENT'S REPORT

11

Furniture	248.60	
Books	6,541.32	
Paper and Supplies	8,149.96	
Printing	3,069.78	
Manual Training	848.56	
Janitor Supplies	4,952.93	
Apparatus	60.60	
Medical Supplies	38.90	
Cooking, etc.	3,638.15	
Material for Sewing	433.37	
Autos	2,836.23	
Graduation	356.21	
Regiment	1,314.40	
Telephones	1,802.42	
Transportation	4,932.35	
Miscellaneous	302.04	
Appropriation Transfers	6,030.57	
Continuation	1,219.98	
Physical Training	2,267.86	
Expense of School Committee	25.00	
Typewriters	951.53	
Rents	804.00	
Americanization	181.17	
Summer Schools	459.30	
Musical Instruments	381.87	
Sight Saving	7.44	
Kindergartens	84.20	
	<hr/>	\$119,591.08
1927 Bills not submitted until after Dec. 31, 1927.....	2,923.68	
Total		<hr/> \$122,514.76

Bills, Vocational School	11,768.54
Total of Bills, Vocational Schools included	134,283.30
Salaries and Bills, Vocational Schools omitted	1,333,607.71
Salaries and Bills, Vocational Schools included	1,438,490.75

Analysis of Vocational School Expense

Salaries of Day Teachers	\$ 58,625.49	
Janitors of Day Schools	5,250.00	
Salaries of Evening School Teachers	16,132.34	
Janitors of Evening Schools	3,859.50	
Smith Hughes Fund (for salaries)	9,247.17	
	<hr/>	
Total of Salaries	93,114.50	
Equipment and Supplies	11,768.54	
	<hr/>	
Total Expenditures for Vocational School...		\$104,883.04 *

Receipts

The receipts by the general treasury on account of the school department during the year were as follows:

Vocational School:

Smith Hughes Fund	\$ 9,247.17
Reimbursement	54,185.58
Tuition	15,791.39

Continuation School:

Reimbursement	13,731.24
Smith Hughes	2,110.45

General:

Tuition	29,792.85
Massachusetts School Fund.....	100,774.71
Americanization	3,035.25
Sight Saving Class.....	500.00

Total	<hr/>	\$229,168.64
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Expenditures by Public Property Department	38,383.22
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RECEIPTS AND EXPENDITURES

. . (Discussion)

The total amount expended in 1927 was \$1,438,490.75; the amount for the year 1926 was \$1,412,774.98. There was an increase for the year of \$25,715.77.

The large items of difference during the year were as follows:

There was an increase in the following items: High School Salaries, \$2,629.01; Junior High and Grammar Salaries, \$3,764.12. Kindergarten Salaries, \$1,746.75; General bills, \$22,538.23; Vocational School teachers and janitors, \$2,737.18.

There was a decrease in the following items; Primary and Mixed School Salaries, \$4,963.48; Janitors, \$1,342.09.

The per capita costs for tuition alone in 1926 and 1927 were as follows in the different grades of schools:

	1926	1927
High	\$ 92.63	\$101.40
Junior High	90.42	91.66
Grammar	61.16	62.06
Primary and Mixed	48.93	52.08
Kindergarten	72.18	66.73

The city received on account of the school department various sums listed on page 12, which total \$229,168.64; therefore the net expenditure by the School Committee for the year 1927 was \$1,209,322.11.

The item of reimbursement from the Massachusetts School Fund is made up from an allowance of \$200 for every teacher's salary which is not less than \$950, under conditions set forth in the law.

SCHOOL CENSUS

The following data were obtained from the census of 1927:

	Males	Females	Total
(a) Five years of age or over and under seven	2000	2001	4001
(b) Seven years of age or over and under fourteen	7141	7572	14713
(c) Fourteen years of age or over and under sixteen	1757	1891	3648
	<hr/> 10898	<hr/> 11464	<hr/> 22362

Certain passages from the statutes which apply to school attendance are here quoted for the information of the general public:

CHAPTER 76.

"SECTION 1. (As amended by chapter 463, Acts of 1921.) Every child between seven and fourteen, every child under sixteen who does not meet the requirements for the completion of the sixth grade of the public schools of the town where he resides, and every child under sixteen except a child holding an employment certificate as provided in chapter one hundred and forty-nine and employed in some regular employment or business for at least six hours per day, and except a child having the written permission of the superintendent of schools of the town where he resides to engage in profitable employment at home, shall, subject to section fifteen, attend a public day school in said town or some other day school approved by the school committee, during the entire time the public schools are in session, unless the child attends school in another town, during the entire time the same is in session, under sections six to twelve, inclusive, or under chapter seventy-one; but such attendance shall not be required of a child whose physical or mental condition is such as to render attendance inexpedient or impracticable, or who is being otherwise instructed in a manner approved in advance by the superintendent or the school committee. The superintendent, or teachers in so far as authorized by him or by the school committee, may excuse cases of necessary absence for other causes not exceeding seven day sessions or fourteen half day sessions in any period of six months. For the purposes of this section, school committees shall approve a private school only when the instruction in all the studies required by law is in English, and when satisfied that such instruction equals in thoroughness and efficiency, and in the progress made therein, that in the public schools in the same town; but they shall not withhold such approval on account of religious teaching.

The school committee of each town shall provide for and enforce the school attendance of all children actually residing therein in accordance herewith.

SECTION 2. Every person in control of a child described in the preceding section shall cause him to attend school as therein required, and, if he fails so to do for seven day sessions or fourteen half day sessions within any period of six months, he shall, on complaint by an attendance officer, be punished by a fine of not more than twenty dollars. No physical or mental condition capable of correction, or rendering the child a fit subject for special instruction at public charge in institutions other than public day schools, shall avail as a defence unless it appears that the defendant has employed all reasonable measures for correction of the condition and the suitable instruction of the child.

SECTION 3. Every illiterate minor between sixteen and twenty-one except a married woman, shall attend some public evening school, if any, in the town of his residence, for the whole time during which the public evening schools are in session, unless he attends a public day school, or a private school approved as provided in section one by the school committee, or unless his physical or mental condition is such as to render his attendance harmful or impracticable. Wilful violation of this section by such a minor shall be punished by a fine of not less than five dollars; failure for six sessions within a period of one month by any person in control of such a minor to cause his attendance, shall, on complaint by an attendance officer, be punished by a fine of not more than twenty dollars.

SECTION 4. Whoever induces or attempts to induce a minor to absent himself unlawfully from school, or unlawfully employs him or harbors a minor who, while school is in session, is absent unlawfully therefrom, shall be punished by a fine of not more than fifty dollars."

Although the age limits for compulsory school attendance in Massachusetts are 7 and 14 years most towns and cities admit children to kindergarten and primary schools at lesser ages than the one specified in the statutes. In Lowell a child may enter the kindergarten school at the age of 4 years and 3 months; a child may enter the first primary grade at 5 years and 6 months, with this exception, however, that a child who has attended kindergarten school for one year may be accepted in the first primary grade at 5 years and 3 months.

These ages are certainly low enough and reasonable enough and parents should not persistently strive to have exceptions to the rules made for their children.

JUNIOR HIGH SCHOOLS

The Junior High organization began with the Bartlett school in 1920 and now embraces practically all of the pupils of the seventh, eighth and ninth grades, the ninth grade being now for most of the pupils the freshman year of high school work. Rather complete discussions of this organization have been presented in earlier reports and need not be repeated here.

At the present time most of the pupils who pass satisfactorily the requirements of the ninth grade in the junior high schools enter the sophomore class of the high school. These ninth grade pupils are regarded virtually as high school freshman and the State Department of Education, in computing High School costs, adds the number in the junior high ninth grade to the number in the regular high school and adds the cost of the ninth grades in the junior high schools to the regular high school costs.

VACATION CLASSES

Vacation or review classes for children in the elementary schools have been maintained since the summer of 1922 and corresponding classes for high school pupils have been maintained since the summer of 1923. The department also conducts classes in sewing and cooking for girls and in shop work for boys in connection with the summer playground activities of the Park Department.

SCHOOL HOUSES

During the school year the survey of school housing conditions which was begun in 1925 was completed; difficulties which presented themselves in connection with paying for this survey made it impossible to take any steps to use it and profit by its findings. We have every confidence that the survey will be found to be very helpful and serviceable and that from it will come much that will be constructive in the development of a constructive plan for school buildings.

RESIGNATIONS, RETIREMENTS AND ELECTIONS

Resigned

Rose I. Brown	Elementary
Flora M. Common	Vocational School for Girls
Elizabeth Conway Egan	High School
Alice D. Gallagher	Elementary
Margaret O. Hogan	Kindergarten Principal
A. Florence Kirby	Elementary Principal
Marjorie Pratt Nutt	Junior High
Ruth Monahan O'Neill	High School
Gladys T. Parsons	Kindergarten Principal
Marguerite MacFadyen Roberts	Elementary

Retired

Sara Swan Griffin	Elementary
Carrie M. Hart	Elementary Principal
Alice A. Holtham	Elementary
Alice T. Owens	Elementary Principal

Elected

Helen C. Bradley	Part-time Teacher — Vocational
Czarina V. Bartlett	Elementary
Gladys Brophy	Elementary
Agnes D. Burns	Elementary
Elinor Carmichael	Elementary
Helen Eveleth	Kindergarten Principal
Elizabeth H. Foye	Kindergarten
Ethel M. Guilfooy	Kindergarten Principal
Louise Hennessey	Kindergarten
A. Florence Kirby	Elementary Principal
Katherine M. Lester	Elementary
Sarah G. Loupret	Elementary
Sarah F. Lyons	Elementary
Marion R. Mahoney	Elementary
George B. Markham	Janitor
Gertrude Martin	Assistant in Music
Mabel A. Metcalf	Elementary Principal
Mary E. Moorey	Elementary
Ella J. M. Mulligan	Elementary
Gertrude F. O'Brien	Supervisor of Music
Marie C. Parthenais	Elementary
Anna A. Riley	Kindergarten
Mary F. Robinson	Elementary
Florence L. Shanahan	Elementary
Grace C. Sheehan	Elementary
Katherine E. Thomas	Kindergarten Principal
Alma L. Ward	Elementary Principal
Dorothy I. Whitten	Elementary

IN MEMORIAM

GRACE D. DONOVAN
Teacher in the High School

SUSAN MORAN
Janitress at Bartlett Junior High School

JOHN H. CONDON
Janitor at the Edson School

FREDERICK O. BLUNT
Musical Director

CAMILLE ROUSSIN
Attendance Officer

PUPILS BY GRADES

The following table shows the number of pupils in the schools according to grades:

	Males	Females	Total
Kindergarten	326	342	668
Grade 1	826	734	1560
Grade 2	653	617	1270
Grade 3	548	598	1146
Grade 4	715	672	1387
Grade 5	628	590	1218
Grade 6	604	652	1256
Grade 7	526	488	1014
Grade 8	432	453	885
Grade 9	314	348	662
Grade 9 (H. S. 9th Grade)	178	189	367
Grade 10	352	423	775
Grade 11	267	329	596
Grade 12	227	279	506
Grade 13	53	40	93
Specials	92	54	146
	<hr/> 6741	<hr/> 6808	<hr/> 13549

HIGH SCHOOL

The High School graduated a class of 743 pupils in June and there was an entering class of 837 in the September previous. Of this class 470 were from the public schools, 253 from private schools, 96 from towns which have certificate privileges, none entered by examination and 18 came from out-of-town schools. Of the class of 837, 426 entered with advanced standing.

Eighty-two percent of those certified by the grammar and junior high school actually entered the High School; the average age of the entering class was 15 years.

The graduating exercises were held in the Memorial Auditorium on June 24, the names of the Carney Medal pupils and the names of the pupils who were awarded honorable mention are here given:

CARNEY MEDAL STUDENTS

Margaret Frances Buckley

Mildred Katherine Libby

Mary Aloysia Catherine Darragh

Harold Jardine Davis

Charles Henry William Hancock

John Janas

HONORABLE MENTION FOR SCHOLARSHIP

Margaret Frances Buckley
 Mildred Katherine Libby
 Mary Aloysia Catherine Darragh
 Harold Jardine Davis
 Charles Henry William Hancock
 John Janas

Doris Bennett Blake
 Carrie Estella Scarlett
 Florence Harpoot
 Orpah Vesta Stark
 Katherine Lillian Sullivan
 Emilene Shamas

HONORABLE MENTION FOR ATTENDANCE

Four Years:

Anna M. Hickey
 Dorothy M. Pearson
 Donald E. Cailler

Charles J. Gregg
 Roger A. Hardy
 Douglas A. Irvin

Herbert G. Schliebus

Three Years:

Mildred P. Adams
 Emilene Shamas
 Ruth M. Thomas

Elizabeth Whiteley
 John R. Hackett
 John Janas

Robert Kennedy

Two Years:

Grace L. Twarog

AMERICAN HISTORY MEDAL

Orpah Vesta Stark

FRANKLIN E. JOHNSON BOOK PRIZES FOR EXCELLENCE
IN DEPARTMENT OF ENGLISH

Mary Aloysia Catherine Darragh

Margaret Frances Buckley

LOWELL BOSTON COLLEGE CLUB BOOK PRIZE FOR
EXCELLENCE IN DEPARTMENT OF LATIN

Mildred Katherine Libby

ALICE F. D. PEARSON MEDALS FOR EXCELLENCE IN
COMMERCIAL DEPARTMENT:

Accounting Division — Thelma Josephine Davis

Secretarial Division — Dorothy May Lorman

MEDICAL AND DENTAL SUPERVISION

DIVISION OF SCHOOL HYGIENE

John J. McNamara, M. D., Director

Office telephone 549

Home telephone 214

Office hours for working certificates—10.45—11.45 A. M.—3.30—4.45 P. M.

Other hours by appointment.

Nurse, Miss Dwyer—High School, Continuation School and Vocational
 School for girls. Drs. J. J. McNamara and E. Y. Slaughter.

Nurse, Miss Craig—Washington, Morey, Pine, Colburn Grammar and Primary and Agawam. Drs. E. O. Tabor and C. M. Roughan.

Nurse, Miss O'Dwyer—Varnum, West Sixth, Tenth, Lakeview Ave. Moody, Pond Street, High Street, Sycamore and Greenhalge. Drs. G. O. Lavalley and C. M. Roughan.

Nurse, Miss Lettrell—Elliott, Lincoln, Laura E. Lee, Powell, Howard, Grand, Edson, Central, Butler, Lyon, Carter, Weed, London, West London, Ames, Charles, Keith Hall, Keith Academy, Seventh Day Adventist. Drs. J. F. Boyle, W. E. Devine, J. J. McNamara.

Nurse, Miss Frazier—Bartlett, Pawtucket, Lexington Ave., Middlesex Village. Dr. C. S. Baker.

Nurse, Mrs. Donohoe—Green, Cabot, Cross, Franklin, Dover, Kirk, Worthen and Morrill. Drs. J. J. Cassidy and E. M. Slaughter.

Nurse, Miss Fitzpatrick—Greek Orthodox, St. Michael's, St. Patrick's Boys' and Girls' and Boys' Vocational. Dr. H. B. Plunkett.

Nurse, Miss LeClaire—St. Joseph's Boys and Girls and St. Joseph's Boys and Girls kindergarten, Ste. Jeanne d'Arc and Ste. Jeanne d'Arc kindergarten. Dr. R. Mignault.

Nurse, Miss Douglass—Immaculate Conception and Immaculate Conception High School, St. Peter's, Sacred Heart, St. Stanislaw's and St. Peter's Orphanage. Dr. F. P. Murphy.

Nurse, Mrs. Morier—St. Louis, Notre Dame de Lourdes, St. Marie's, Riverside. Drs. C. M. Roughan and R. Mignault.

The Dental Clinic has been temporarily installed in the old school known as "The Coop", on Kirk Street. The clinic is open on all school days, including days when the storm signal is sounded, from 9 until 12 A. M. The service is free for any child from any school, public or private, for whom an appointment has been made and for those emergency cases which may arise during the school day. Appointments are made by the Director, the School Physician, Nurses and Teachers and by Miss Lantagne, the Dentist's assistant. The operators at the Clinic are Drs. F. F. Donohoe and P. Mulane.

SIGHT AND HEARING TESTS

	Pupils Examined	Defective Sight	Per Cent Defective	Defective Hearing	Per Cent Defective	Parents Notified
High	2539	164	.064	21	.008	185
Junior High	2519	252	.10	33	.013	266
Grammar	4006	602	.15	76	.018	566
Primary	4081	338	.082	38	.009	318

SCHOOL SAVINGS BANK

The school savings account is printed below:

	Deposits Dec. 31, 1926	Deposits Dec. 31, 1927
Bartlett	\$1,972.46	\$2,116.13
Butler	807.95	1,989.49
Edson	2,303.94	1,627.40
Morey	3,235.80	3,893.16
Varnum	991.01	1,172.70
	<hr/> \$9,311.16	<hr/> \$10,798.88

VOCATIONAL SCHOOL

The seventeenth year of the school opened with an enrollment of two hundred and fifty-four boys and one hundred girls. The only requirement for admission to the day Vocational School is that a pupil must be not less than fourteen years of age and not over twenty-five years of age.

All pupils must be residents of the state; for pupils who do not reside in Lowell there is a tuition charge of \$225. for boys and \$195. for girls, payable by the city or town of the non-resident pupil, regardless of his place of residence.

The work is so arranged that a boy may enter at any time and advance as rapidly as his industry and ability will allow.

The school offers preliminary training for boys as carpenters, electricians, cabinet-makers, machinists, and automobile repairmen.

The boys are trained mostly on productive work in all departments and the work is of such a practical nature that they fit naturally into the industry in advanced apprenticeship standing.

All the courses are planned for three years, seven hours a day, five days a week.

The courses are divided into three phases consisting of about one year's work in each. Upon the satisfactory completion of any phase a certificate is given.

If a boy gets three certificates and works at the trade for which the school trained him, he is entitled to a diploma. A satisfactory fourth year in school also entitles him to a diploma.

The courses have been run on a week about plan. By this arrangement the boys spend one week in shop and the next in related and non-related subjects. The related subjects are drawing, shop science, shop mathematics and the non-related subjects are English, Arithmetic, Civics and Hygiene.

Fourteen boys received diplomas for successfully completing the three year course at the school.

GIRLS' DEPARTMENT

High School Annex, Paige and John Streets

(Free to all girls living in Massachusetts)

The school aims to prepare the girls of Lowell and surrounding towns for life's activities and duties; to give them a training in the branches of knowledge and the trades that are most useful in the home and gaining a livelihood.

It is recognized that every girl preparing through any kind of an education for life will have more or less to do with a home, with the chances largely in favor of her having at some time the entire care of a home; and upon the proper management of the home depends much of the happiness and success of our community. Hence a training in home economy should be part of every girl's education.

To meet these requirements the Vocational School offers two-year courses in housekeeping, dressmaking and power machine work. In addition the school teaches academic subjects which are related to the practical work in a way that makes their value fully appreciated. Millinery is taken up in season during the second year.

Physical exercises, under direction, is an attraction of the junior and senior years.

Dressmaking—This course is planned to fit a girl for the dressmaking trade. It includes plain sewing, dressmaking, power machine work and mending.

Mending:

Patching.

Darning.

Mending of straight and hedge tears.

Millinery :

- Fall and Spring Renovating.
- Making of velvet, straw and lace hats.
- Trimming.
- Flower Making.

Housekeeping—The housekeeping course includes everything that makes and keeps a house in good condition to live in. It teaches the buyer to get one hundred cents' worth out of every dollar spent for food and clothes. It includes cooking, household management, laundry work, table service, marketing and home nursing.

Cooking :

- Economy and management of the kitchen.
- Plain cooking.
- Food values.
- Simple menus.
- Serving.
- Marketing.
- Practical application in the home.

Note:—Repetition develops responsibility and assurance in the cooking and serving of meals. This practical experience is gained in the lunch room of the State Normal School, now under the management of the Vocational School.

Laundry Courses—Includes practice in removal of stains, washing and ironing all articles of clothing and of household linens.

Household Engineering :

- Efficient Household Arrangement.
- Plans and methods for Daily Housework.
- Choice and care of Household Tools.

Home Nursing :

- Care of a bedroom.
- Care of a patient.
- Bandaging.
- First Aids.
- Care of the Baby.

Arithmetic in Relation to :

- Dressmaking.
- Personal expenditure.
- Household.
- Business.

English :

- Correction and improvement of every-day speech.
- Personal and business correspondence.
- Cultivation of a taste for reading.

Note: The Dalton Plan for the teaching of English and Arithmetic was adopted 1926-27.

Civics :

- Government of Communities.
- Current events.
- Local interests.
- Club conduct.

Household Science :

- The Physics and Chemistry of the Household.

Textiles :

- Study of the Fabrics.
 - Name.
 - Cost.
 - Durability.
 - Uses.
 - Tests.

Design :

- Art as applied to a woman's clothing.
 - Color.
 - Line.
 - Fabric.
 - Appropriateness.

Care of the Home :

- Furnishing.
- Decorating.
- Sanitation.

GIRLS' LUNCH DEPARTMENT

In February, 1916, the girls' school opened the dining room at the State Normal School and since then has served dinners and luncheons to the faculty and students of the school. This gives a valuable training in preparing food in large quantities and also in serving; the practice proved to be so valuable it seemed wise to make it a permanent part of the curriculum.

The school sent out a class of 22 graduates on June 23, 1927.

Home project work is a feature of the Vocational School programme. By assignment the girls carry out at home many projects as a result of the instruction received in school. Much of the home project work is supervised. In this way the school assures itself that its instruction is functioning. Both the school and home have found the teachers' visits helpful.

The State Board of Education exercises a considerable control over the school, as the state agreed to pay one-half of the maintenance expense of the school. In order to secure reimbursement from the state, the course of study, equipment, building and the work of the teachers must be approved by the agents of the State Board of Education.

EVENING VOCATIONAL SCHOOL FOR MEN

These courses are trade extension and are open only to men employed in that line of work during the day and who are sixteen years of age or over.

The school opens early in October and each class meets two evenings a week, two hours an evening, for twenty weeks.

The following courses were offered:

Course	No. Belonging
Machinist	26
Auto Repair	40
Cabinet Making	39
Carpentry and Steel Square	23
Plumbing	37
Electrical Theory	21
Firemen and Engineers	58
Sheet Metal Drafting	9

 253

Definite courses have been laid out and a system of records devised so that each man's progress and accomplishment can be kept.

Certificates are given to those whose attendance and ranks are satisfactory. On the certificates are the number of evenings attended and the kind of instruction completed.

EVENING PRACTICAL ARTS CLASSES FOR WOMEN

The occupations of the household in which evening instruction has been offered are foods, dressmaking, millinery, decoration, home nursing, first aid, and child welfare.

All types of women have taken advantage of these classes. The enrollment includes the busy housewife and mother, the young married woman lacking practical home experience, the engaged girl, the business woman and the non-English speaking woman.

The work is conducted on the plan of the short unit course. A short unit course is a series of lessons on one phase of a particular subject—quick breads in cooking; velvet hats in millinery; sport skirts in dressmaking, etc. In general the succession of units follows the progressive plan. Class members pass from unit to unit in a continuous series or drop out at the end of a unit, their places being taken by other pupils. This is possible because each unit course is an entity—each process step is covered by itself without regard to what comes before or after as in a consecutive course of study.

The true aim of practical arts classes for women should be realized perhaps more fully in teaching cooking. The subject is taught in such a way as to give actual ability to cook under home conditions.

Unit Courses in First Year Cooking for Year 1926-27:—

Cooking for Two — 6 lessons; Cakes and Vegetables—6 lessons; Left-Overs Made Palatable—5 lessons; Kitchenette Cookery— 5 lessons; Breakfasts—4 lessons; Suppers—11 lessons; Invalid Cookery—4 lessons; Dinners—4 lessons.

Unit Courses in Second Year Cookery for Year 1926-27:—

Sunday Night Suppers—10 lessons; Dainties for Home Parties — 5 lessons; Salads and Hot Breads—4 lessons; Hurry-Up Dinners—7 lessons; Picnic Suggestions—4 lessons; Tea Room Cookery—7 lessons; Special Dinners—8 lessons.

Unit Courses in First Year Dressmaking for Year 1926-27:—

Tub Dress—12 lessons; Two-piece dress, and skirt, and blouse—18 lessons; Tub Silk Dress—14 lessons.

Unit Courses in Second Year Dressmaking for Year 1926-27:—

Remodeling—sixteen lessons; Jersey or Flannel Dress—fifteen lessons; Silk Dress—sixteen lessons.

Unit Courses in Millinery for Year 1926-27:—

Felt hats—8 lessons; Fabric hats—10 lessons; Between-Seasons Hat—8 lessons; Straw Braid hats—8 lessons; Summer hats—10 lessons.

Unit Courses in Decoration for Year 1926-27:—

Embroidery Stitches—12 lessons; Lampshades and Christmas Novelties—12 lessons; Pillows—8 lessons; Window curtains—12 lessons; Roman Cut Work—12 lessons.

Unit Course in Lampshade Making:—

Boudoir Lamps, Table Lamps, Floor Lamps.

Course in Home Nursing:—

The Red Cross Standard Course (16 two hour sessions) is given and the Red Cross certificate is awarded at the completion of the course. This is followed by a second unit. First Aid—16, (two hour sessions,) and the Red Cross Certificate is granted to those who successfully pass the doctor's examination.

The woman who has completed the work of a practical art class should be able to continue her work independently. The purpose of the work is defeated if the aim is merely production.

A record of the accomplishment of each pupil is kept on unit history cards.

For the year 1926-27 the number of women enrolled in the Evening Practical Arts Classes was distributed as follows: Cooking, 652, Dressmaking, 763, Millinery, 181, Decoration, 284, Home Nursing, 158, making a total of 2038 women.

Seventy-five non-residents attended these classes and Lowell received tuition from the surrounding towns for their attendance.

Classes were in session 24 weeks and the percent of attendance was 91.

Sixty teachers were engaged in conducting these classes.

The main centre was the High School Annex, but classes were also carried on at the Butler, Colburn, Edson, Franklin, Green, Greehalge, Lincoln, Moody, Morey, Pawtucket, Riverside, Varnum, and Washington Schools, and at the Girls' City Club.

At the Green School, where Americanization classes were conducted with Greek and French girls, a special arrangement was made whereby these girls attended academic classes two evenings a week and the vocational classes in dressmaking and cooking one evening.

All instructors of vocational subjects are tradeswomen who were prepared for teaching by a course in teacher-training conducted under the direction of the Massachusetts Department of Education.

1. All teachers in service are required to do some approved professional improvement work each year. To meet the requirement for the year 1926-27 the instructors of cooking enrolled in a course in First Aid.

2. The head of the dressmaking department conducted a series of lessons in dressmaking with the dressmaking teachers, each member of the class making a silk dress and preparing lesson plans to cover the processes of construction.

3. A millinery expert from Filene's, Boston, operated a class in millinery with the teachers of millinery.

REPORT OF THE SUPERVISOR OF PRIMARY GRADES, AND KINDERGARTENS

To Mr. Hugh J. Molloy,
Superintendent of Schools.

The work of the past year in kindergarten and primary schools has been progressive in the fundamental subjects required in these grades.

The child of to-day enters school life with different experiences from the child of yesterday.

The movies, radio, submarine and air-plane have developed new lines of thought in the child mind.

He comes to school with a knowledge of things unknown a few years ago.

The complexities of modern life have entered into his life. On his way to school he must "Stop! Look! Listen!"

His first lessons in the kindergarten are related to safety and health.

If given pencil and paper, or pegs and blocks, he may make an air-plane or submarine.

If allowed to choose a song, he may select one heard at the movies or over the radio.

With all these changing conditions the formal work of the primary school remains unchanged. Reading, writing and number must be taught. The experienced teacher seeks to relate the school work to the every-day experiences of her pupils and to bring them as quickly as possible to the educational requirements of the grade.

While all have the same objectives, each school has an individuality of its own. Each teacher presents her subject matter in the manner with which she can best catch and hold the interest of her pupils.

Educators now hold that the beginning of all habit developments and learning must be made in the early grades.

In our kindergartens are taught rules for safety, health, habits, reverence, order, etc. Also correct speech habits, ear training and phonics, in preparation for the reading in the first grade. The kindergarten trained child brings to the first grade a mental development which aids him in interpreting new experiences.

Reading as a subject falls in the first grade of the school curriculum and it is the most important work of the grade. Our teachers secure excellent results in reading. Through

phonetic, word and phrase drills, followed by systematic, cumulative training to secure comprehension and speed, children acquire the power to read independently before the end of the first school year all the reading material for the first grade.

Teachers of the second and third grades continue the drill work of the earlier grade, and as new difficulties in more advanced books arise, their pupils are prepared to meet them.

At the end of the third year children love to read, both for recreation and information.

Lowell has an enthusiastic progressive body of primary and kindergarten teachers who are anxious to incorporate in their work the latest and most worth-while methods.

A new departure is being tried out in the Washington kindergarten. Instead of using paper to make imitation articles, children now make their own rag dolls and dresses for the same, and, from wood, make toy tables, chairs, carts, cradles, etc. For one period every day the kindergarten becomes a real work-room. This is yet in the experimental stage but it is in line with the more advanced kindergartens.

Project work has now an important part in the school program. Each school works out its own project for the occasion, month or season. Teachers of special subjects, physical, music, drawing and writing help in the development.

Naturally the month of December is devoted to the story of Christmas and this year the Christmas project was most elaborately developed.

In some schools the sand table was converted into a miniature Bethlehem—stable, crib, animals, trees, etc., were made by pupils. There were pictures of the Nativity, decorated blackboards and walls. Poems and carols relating to the season were learned during the month to be recited or sung on the last day of school.

Mingled with the Christmas green with which the rooms were decorated tall trees hung with gifts for parents, school-mates and teachers, were to be seen in almost every room. In the kindergartens parents came on the closing day to enjoy the festivities and receive the gifts made by their children.

It was a happy ending to a year of good work accomplished and showed the spirit of good will and cooperation between parents, pupils and teachers.

Respectfully submitted,

ALICE T. LEE.

REPORT OF PHYSICAL EDUCATION DEPARTMENT

Mr. Hugh J. Molloy,
Superintendent of Schools,
Lowell, Massachusetts.

Dear Sir:

In keeping with the fundamental aims of Physical Education, the Department this year has promoted with energy and enthusiasm, activities which reach the mass of pupils. This was accomplished through intra-mural competition in the schools under the direction of the instructors assigned to the schools wherein activities were held.

The intra-mural sports for girls in Junior High Schools, interested an exceptionally large number of girls.

The Butler and Morey Schools had the largest number playing. The Butler School girls' teams consisted of nine basketball and nine field hockey teams, with a total number of one hundred thirty-two girls of the eighth and ninth grades competing.

The Morey School had twenty-four basketball teams from the seventh, eighth and ninth grades; four teams of "Touch-Down Pass Ball," two teams of Spy Ball, and four teams of Field Hockey. In all there were one hundred seventy girls actively taking part in one of the four sports. The rivalry between the teams was very keen, and a strong spirit of teamwork and quick thinking predominated.

Intra-mural sports for the boys were in the form of basketball, baseball, Soccer Football, and Tag Football. Tag football is especially instructive, as it teaches all the fundamentals of regular football minus tackling. When the boys who have participated in intra-mural Tag Football games reach High School, they are well versed in the fundamentals of football, and have a good foundation for the coaches to work upon.

In the Moody Junior High, the smallest Junior High School in the city, there were four teams playing Tag Football. The interest in this sport was very keen throughout the season. The Morey School also had a large number of boys report for Tag Football.

The Bartlett Junior High School held several basketball

tournaments within the respective Junior High grades, as well as between the various clubs. About sixteen teams of the Bartlett School played a regular intra-mural schedule.

Organized recess play was inaugurated in the Lincoln School in the spring of 1927, and proved very successful. Boys and girls of the fifth and sixth grades were placed in teams that competed during the regular recess periods. The organization was such that after the first week the scoring, playing of games, officiating and general management of the recess play period, was carried on entirely by the pupils. The opportunities for development of leadership, character, and self-government are very great in this type of school activity.

In the spring of 1927, the School Committee passed a vote that Athletics with all other phases of Physical Education in the High School be placed under the direction of the Head of the Physical Education Department.

In the organization and administration of athletics the educational aims and not the "sporting aims" are paramount. Athletics are valuable to education because of their bearing on the physical, mental and moral education. The values of athletics can not be over emphasized. In all types of games there is an outlet for the emotional expressions, all of which go into the making of character.

Athletics touch upon the interest of the school and community as a whole rather more than do many other subjects. These activities are the outgrowth of the desires of the pupils. They were not received with open arms by the educators when first the pupils began introducing sports as a part of school life. In many cases they were absolutely rejected and in other cases just tolerated, but the consistent growth and acknowledged values of athletics have made these activities an important factor in the education of the modern youth.

For the pupils, athletics are organized so that all will have an opportunity to participate and receive from this participation the greatest possible physical, mental and social benefits. The system that includes varsity athletics already had its foundation in the intra-mural and inter school games of the Junior High Schools, and in the intra-mural and inter class games of the High School. We begin with the mass as the base of the pyramid and gradually build up to the apex in varsity teams. This is an extensive program and if it is

to be accomplished so that the largest number of boys and girls will receive the greatest good we must have more room, better facilities and larger appropriations.

High School Athletics are fraught with many dangers, chief among which is the keeping of athletics clear of outside influence and interference. The community interest in athletics is without doubt more general and perhaps more keen. This, of course, is natural because the results of this type of education are continually being paraded for public approval. It is very easy to criticise where a team is not winning and, with some, they perhaps overlook the real reason for athletics in a school curriculum. The administration of athletics recognizes in every consistent way the general community interest. The sporting interest which demands winning teams is not consistent with the educational aims of Physical Education.

However, our varsity teams will be given the best instruction that can be offered and will be instilled with a spirit to bring about the more pleasing result of competition. On the other hand, if reverses are to be met, the teams will be instilled with the spirit that can treat disaster with a sane temperament.

Athletic activities originated with the pupils are peculiarly their own. The playing of the games in which they have been coached is in reality an examination of their subject matter. The results of these examinations should be entirely up to the boys. However, we here find it necessary to employ a coach to conduct the play on the field to a great extent. In this case the coach is held by the sporting public as the responsible party for a win or a loss. True it is, he should be held responsible to a great degree because in reality the game is between coaches who instruct the boys during their playing.

The more ideal situation will prevail when the coaching is done during the long hours of instruction and practice, and the playing of the game on the field shall be purely the application of what a boy has learned. The results would be more fair because the boy would be actually playing against his opponent as a boy unhampered by more mature decisions from the sideline. Under such conditions the coach would find himself less an object of abuse for failure to return winning teams. It is the boy's game to win or lose and the victory should not belong to the coach.

Attention has been called to the conditions under which

our program is carried on in previous reports. These conditions have not been remedied and the result is a less rapid expansion of activities than was hoped for.

Respectfully submitted,

DONALD R. MacINTYRE.
Director of Physical Education.

REPORT OF DIRECTOR OF FIRE AND ACCIDENT PREVENTION

Mr. Hugh J. Molloy,
Superintendent of Schools,
Lowell, Massachusetts.

Dear Sir:

The following is my report as Director of Fire and Accident Prevention for the year of 1927.

During the year of 1927 I have given much attention to the Kindergarten, Grammar and Primary Schools as I felt that the younger children need more attention in the matter of safety than the older ones; at the same time I have not overlooked the High, Junior High, Vocational and Continuation Schools.

Fire drills on the whole are uniform and very satisfactory. Safety rather than speed has been the watchword for all fire drills. I have given much time to the instruction of teachers and pupils in all the details of conducting these drills and of marching the children away safely from the fire zone.

Exposed belts and pulleys, jig saws, and planers in the schools where they are used are fairly well protected from the element of danger to those using them.

Exit signs are properly placed over the several exits at all schools. Signs have been placed near the approach of practically all schools, warning drivers of all vehicles to slow down and be careful.

The disposal of waste matter in the schools has been attended to but such disposal could and should be improved in the larger schools by the installation of metal boxes with suitable covers and locks. Overhanging icicles, snow slides, icy steps and sidewalks adjacent to school buildings have been watched and cared for. The placing of snow guards on some of the very steep roofs and the repairing of broken and overhanging gutters would help in the matter of safety.

Much good has been accomplished by providing white lines at many schools where there is considerable traffic, but many more are **needed**.

Walking on the railroad tracks to and from school is now a very rare occurrence. I have given much time and instruction, even outside school hours, to caution children against venturing on thin ice, going into deep water unless they are able to swim, coasting on the highways, to pay proper attention to railroad crossings and gates; playing games in the streets, riding bicycles on the sidewalks, riding on the handlebars of bicycles, riding bicycles carelessly in the streets, riding on the rear of vehicles and demanding rides from the drivers of vehicles of any kind. I have also warned children against touching any kind of electric wiring, cut-out boxes, or fuse plugs; the proper way to send in a fire alarm, how to extinguish fire in a person's clothing; the danger to themselves and others of snowballing; playing with matches, gasoline, kerosene and other inflammable matter; the danger of poisons; to the older pupils how to save a drowning person, and render first aid when needed for any reason.

In my duties in connection with the above matters I have visited school assemblies and class rooms and Parent Teacher's Meetings many times, and have spoken of the great danger in using public streets as playgrounds, and also explained the meaning of the white and yellow lines in the streets, the meaning of the different lights on traffic beacons, and the signals used by the traffic officers of the city.

In all the schools the matter of personal safety has been stressed greatly by the use of pictures and stories of accidents, and I personally placed 110 Jackie Coogan Safety Posters in different parts of the city. Police and Firemen have cooperated,—fireman doing traffic duty at dangerous corners in the vicinity of school houses; and I certainly have had the full cooperation of the Chamber of Commerce Safety Committee,

members of the City Council Safety Committee, the Superintendent of Schools, and the principals and teachers of all schools, which, after all, is the most important factor, for with their cooperation I have completed a survey of one school year, namely, from September 1926 to June 1927 (inclusive), **40 public schools and about 14,000 pupils. There were no fatal accidents**, the accident rate being less than **two millionths of one per cent.** (This applies to street accidents.)

Much personal attention has been given at the schools at the time of school assembly, and at the time of dismissal, boys have been instructed as Junior traffic police and are doing good work at several of the schools by assisting the younger pupils across the street, and as directors of traffic at their schools and have been directed to report the registration numbers of drivers of automobiles and trucks who drive through lines of school children.

Liquid fire extinguishers have been kept in good condition although a few more might be distributed to good advantage. Fire gongs have been kept in good condition.

Attics and cellars are free from combustible material and have no exposed live wires; all exit doors are kept free from refuse, as are the stairways and places beneath them.

Parking in front of all schools during school hours has been prohibited by a city ordinance and is checked up by the police.

All locking devices on exit doors are in fairly good condition, stage curtains are in good condition and the permanent stage curtains are non-inflammable; most fire escapes are in good condition and used at fire drills. Electric wiring and fuse boxes have been regularly inspected and are in fair condition.

In a word — very close attention has been given to anything and everything which might possibly be an element of danger in the schools or on the school premises.

Respectfully submitted,

WALTER R. JEYES,
Director of Fire and Accident Prevention.

CONTINUATION SCHOOL

Six years' experience in administering compulsory Continuation School authorized under the provisions of Chapter 311 of the General Acts of 1919 and established in Lowell has furnished considerable data wherewith to test the theories applied in the establishment of this type of school.

The functions these schools are intended to perform for the group of minors designated by the law are (1) to give a so-called general improvement education; (2) to furnish, through shop experiences and class-room exercises, pre-vocational training which is in effect, vocational guidance; and (3) to give some definite training for industry. (Trade Extension.)

General Improvement for pupils in the Continuation School in Lowell has had important effects. Instruction in civics, personal hygiene, regular school subjects and opportunities for recreation have been provided in a less formal way than in the regular school.

Vocational guidance of a practical kind is also easily possible in connection with so called pre-vocational training, which can be carried on profitably in the Continuation School. Shop work and studies related to shop work have furnished much valuable experience in field closely related to vocations. Of 500 pupils of whom data was secured at the close of the last school term, practically all gave evidence that they gained valuable knowledge as to the industrial conditions and that they possessed greater industrial intelligence as a result of Continuation School attendance. The shops of this school are useful adjuncts.

Securing jobs for pupils out of work and keeping them off the streets during the period of non-employment have become definite duties of the Continuation School. The law requires that minors 14-16 years of age must be either at work or at school. Those residing in Lowell, if at work, must attend Continuation School for a minimum of 4 hours each week. When unemployed such minors are expected to attend the Continuation School 20 hours a week or return to the regular school.

The Continuation School has had a good influence on the attendance of children in the regular schools and on the tendency of those out of employment to return to the regular

school. Formerly many children between 14 and 16 were neither in school nor at work. Some of them were hunting jobs but the majority were adrift on the streets or idle at home. The facts could not be ascertained until the Continuation School with its automatic requirement of attendance thereof the moment regular school attendance ceased was established.

By cooperation of home and employer, secured by follow-up work the pupil comes to realize that regularity and punctuality are essential to success. Follow-up work has revealed these facts. Pupils when they are once informed as to actual conditions for advancement are often stimulated to make special preparation for better positions. Employers on the whole favor the Continuation School in Lowell. The attitude of the employer is largely determined by the supply of and demand for juvenile labor. There is a general testimony by employers that the school has assisted their employees. Many are of the opinion that there is less shifting of jobs when pupils attend the Continuation School. It has had a steady influence and certainly a great majority of the boys and girls have developed a wholesome ambition to secure good and permanent places in industry.

The Continuation School trains first for the work the pupil is now doing, if any such training can be given; next it trains them for a better position.

So far as possible the hours of attendance at the school are those most convenient to the employer.

The size of the class groups gives a good chance for individual work in the classes. Pupils come to a teacher for two hours' work and then go to another teacher for another two hours.

Typical Program for a four-hour period pupil:—

1st hour—Shop, mathematics, hygiene and safety.

2nd hour—English, spelling and civics.

3rd hour—Shop.

4th hour—Shop.

For the 20-hour pupil or those who are temporarily out of employment a more varied program is furnished.

The problem of securing properly trained teachers for the Continuation School is a serious one. For this reason, the teaching force employed in this department of school

work should remain intact, although the number of pupils attending this school varies from time to time.

The present minimum period of four hours per week is in some particulars a difficult period for business to adjust itself to, and this length of time is inadequate either to meet the legitimate demands of business or to adequately train the pupils who come to our school, so it has been recommended, and we strongly agree that the amount of time be extended to half time for a period of not less than 24 hours in every period of two weeks or an equivalent of such time and that the schools be continuously in session throughout the year.

THOMAS A. GINTY, Director.

GENERAL ACTS, CHAPTER 311.

An Act relative to the establishment and maintenance of Continuation Schools and Courses of Instruction for Employed Minors.

Be it enacted, etc., as follows:

Section 1. (1) Every city and town in which, during a calendar year ending December thirty-first, two hundred or more minors under sixteen years of age are regularly employed not less than six hours per day by authority of employment certificate or home permits described in section one of chapter forty-four of the Revised Laws, as amended, shall, and any other city or town may, through its school committee, local board of trustees for vocational education, or both, establish at the beginning of the next school year and maintain continuation schools or courses of instruction for the education of such minors under sixteen years of age who are regularly employed not less than six hours per day at home or elsewhere within the city or town, and for such others as may be required to attend as provided in section three.

Section 1. (3) The required attendance at said schools or courses shall be at the rate of not less than four hours per week for minors regularly employed not less than six hours per day at home or elsewhere, and at the rate of not less than twenty hours a week for minors who have secured employment certificates, and who are temporarily out of regular employment or business, provided the school or course is in session twenty hours a week, and shall be between the hours of eight o'clock in the morning and five o'clock in the afternoon of any working day or days except Saturday.

Section 2. Cities and towns maintaining such continuation schools or courses of instruction as are approved by the board of education as to organization control, situation, equipment, courses of study, qualifications of teachers, methods of instruction, conditions of admission, em-

ployment of pupils and expenditures of money, shall receive reimbursement from the treasury of the commonwealth to an amount equal to one half the total sum raised by local taxation and expended for the maintenance of such schools or courses of instruction.

Section 3. (1) Any minor under sixteen years of age who has been regularly employed in a city or town other than that of his residence, and who is temporarily unemployed, may be required, under conditions approved by the board of education, to attend such a continuation school or such courses of instruction in the city or town of his residence.

AMERICANIZATION

An Act to promote Americanization through the Education of Adult Persons unable to use the English Language.

General Act, Chapter 295.

Be it enacted, etc., as follows:

Section 1. The board of education is hereby authorized, with the co-operation of the several cities and towns, to promote and provide for the education of persons over twenty-one years of age, who are unable to speak, read and write the English language, and to provide teachers and supervisors in Americanization work.

Section 2. Any city or town desiring to obtain the benefits of this act may apply therefor to the board, shall conduct the educational work herein provided for in conjunction with the board and shall be entitled to receive from the commonwealth, at the expiration of such school year and on the approval of the board one half of the sums expended by it in carrying out the provisions hereof.

For overcoming illiteracy among the adult population the Lowell School Department includes in her program the following:

1. Evening Schools, conveniently placed for working adults and offering special courses for adult illiterates.
2. Specially trained teachers.
3. Afternoon Classes, conducted in the public schools for the benefit of illiterate mothers.

Due to business depression a great number of our adult alien inhabitants and their families have left the city. This fact has effected the number attending the Americanization Classes. At the close of the school term there were fourteen Evening Classes, eight Afternoon or Mother Term Classes and two factory classes. The following nationalities were represented in our classes: French, Greek, Italian, Polish, Portuguese, Lithuanian, Russian, Armenian, Syrian. As a reward for good attendance and satisfactory work in English 161 men and women received State Certificates.

SUMMARY OF EVENING SCHOOL ATTENDANCE FOR TERM OF 1926-27

SCHOOLS	Number of rooms in each school	Teachers at beginning of term	Teachers at close of term	Evenings taught	Whole Number on Registers			Average Number Belonging			Average Attendance			Per Cent of Attendance	Minors Unable to Read and Write in English		
					Males	Females	Total	Males	Females	Total	Males	Females	Total		Males	Females	Total
High	38	38	37	75	641	809	1450	318	414	732	258	343	601	80.			
Butler	2	2	2	64	75	66	141	27	42	69	2	40	60	87.	2		2
Cabot St.	1	1	1	64		16	16		13	13		12	12	91.			
Colburn	3	3	3	64	29	23	52	18	13	31	15	11	26	83.		5	5
Edson	3	3	3	64	35	14	49	19	8	27	14	6	20	74.	1		1
Green	8	10	10	64	83	100	183	48	64	112	36	53	89	79.	4	28	32
Greenhalge ...	3	3	3	64	14	19	33	9	14	23	7	12	19	83.			
Total....	58	60	59		877	1047	1924	439	568	1007	350	477	827	82.4	7	33	40
Voc. Girls ...	16	55	48	117		2038	2038		1302	1302		1186	1186	91.1			
Voc. Boys	12	13	5	76	253		253	163		163	128		128	78.5			

REPORT OF THE ATTENDANCE OFFICERS FOR THE YEAR 1927

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SUPERINTENDENT'S REPORT

	Total Number Cases Investigated	Absentees	Truants	Arrested	Sent to the Middlesex County Training School	Placed on Probation	Wandering on the Streets	Employment Certifi- cates Issued 14 to 16 yrs.	Educational Certifi- cates Issued 16 to 21 yrs.	Illiterate Certificates
January	242	224	18	2	1	1	17	18	158	9
February	235	205	30	1	0	1	12	16	116	9
March	237	206	31	1	0	1	19	22	145	11
April	196	166	30	0	0	0	21	8	155	15
May	166	140	26	0	0	0	27	21	150	13
June	55	51	4	0	0	0	16	15	230	16
July								10	224	15
August								7	158	15
September	227	211	16	0	0	0	19	131	251	20
October	269	240	29	1	1	0	27	43	207	10
November	203	183	20	0	0	0	17	30	141	2
December	142	123	19	1	0	1	13	32	165	6
Totals	1972	1749	223	6	2	4	188	353	2100	141

Employment Certificates Issued	353
Literate Educational Certificates	2100
Illiterate Educational Certificates	141
Employment Certificates Limited	94
Special Part Time	7
Vacation	187
Home Permits	114
Domestic	66
Total	3062

SCHEDULE OF SCHOOL SESSIONS AND VACATIONS

High School:—8.15 A. M. to 1.45 P. M.
Junior High Schools:—8.30 A. M. to 11.30 A. M. and 1.15 P. M. to 3.45 P. M.
Elementary Schools:—8.30 A. M. to 11.30 A. M. and 1.45 P. M. to 3.45 P. M.
Middlesex Village:—9 A. M. to 12 M. and 1.30 P. M. to 3.30 P. M.
Lexington Avenue:—9.15 A. M. to 12.15 P. M. and 1.15 P. M. to 3.15 P. M.
Vocational School, Boy's':—8.30 A. M. to 12 M. and 12.30 P. M. to 3.30 P. M.
Vocational School, Girls':—8.30 A. M. to 12.30 P. M. and 1 P. M. to 3.30 P. M.
Evening High School:—7 P. M. to 9 P. M.
Evening Vocational Schools:—7.15 P. M. to 9.15 P. M.
Evening Elementary Schools:—7 P. M. to 9 P. M.

VACATIONS

Summer Vacation—From the Wednesday preceding the last Friday in June to the Monday following Labor Day.
The week which includes Christmas.
The week beginning with the ninth Monday and the week beginning with the eighteenth Monday after the Christmas vacation.
Hours for ringing the no-school signal:—7.15 A. M., 12.45 P. M., and 6.05 P. M.

Respectfully submitted,

HUGH J. MOLLOY,
Superintendent of Schools.

DIRECTORY OF 1928

Roll of Teachers

Giving name, subjects or grade taught, residence and salaries.

HIGH SCHOOL

Kirk and Anne Streets

Tel. 6870-6871-6872

Henry H. Harris, Head Master, Administration.....	93	Eleventh St.	\$4,800
Frederick R. Woodward, Senior Master, Hd. Math. Dept. 24		Sanders Ave.	3,700
James F. Conway, Sub-Master, Hd. of Science Dept. 25		Clark Road.....	3,600
Jennie L. Allen, Physics.....	270	Gibson St.	2,200
Alice H. Bacheller, English and Typewriting	42	Huntington St.	2,200
Grace L. Barrett, Stenography, English and Typewriting 77		Mt. Vernon St.	1,700
Orton E. Beach, Asst. Hd of Commercial Dept.	87	Glenwood St.	2,900
Ruth J. Boulger, Spanish and Music.....	74	Wentworth Ave. ..	1,900
Blanche V. Boyle, Foods.....	41	State St.	1,900
Emma L. Bradley, Head of French Department	11	Belmont St.	2,300
Elmer G. Brennan, Junior Master, College Mathematics and Geometry	97	Georgia Ave.	3,200
William J. Brown, Commercial Geography, Arithmetic and Assistant Coach.....	825	Chelmsford St.	1,960
Charles Fred Campbell, Manual Training	226	Princeton Blvd.	2,700
Marietta Cassidy, Head of the Latin Department.....	42	Florence Ave.	2,300
Helen E. M. Choate, Geometry and College Mathematics 21		A St.	2,200
James J. Clinton, English.....	64	Seventh Ave.	2,600
Alice L. Cluin, Latin.....	29	Belle Ave.	2,200
Martin E. Connors, English.....	143	Wentworth Ave. ..	2,500
Edward B. Cornell, Hd. of Spanish Dept.....	88	Durant St.	2,700
Agnes P. M. Dalton, Clothing	275	Summer St.	2,000
Joseph M. Donoghue, European History, Accounting and Economics	22	Fairfield St.	2,500
Eugene J. Donovan, Geometry and Algebra.....	809	Lawrence St.	2,600
William A. Donovan, Accounting.....	14	Adam Terrace	2,500
Mary A. Dowd, Clothing.....	220	West Sixth St.	1,800
Susie G. Driscoll, Head of Home Economics Department 40		Burgess St.	2,500
Josephine S. Dunlavy, U. S. History and Spanish.....	76	Canton St.	2,200
Almanzor L. Dupuis, French.....	26	Plummer Ave.	2,700
Ruth L. Eaton, Commercial Law and Office.....	49	Pine St.	2,200
Mary A. Eagan, Stenography.....	33	Cady St.	1,900
Ethel M. Everett, Ancient History and Algebra.....	74	Fort Hill Ave.	2,200
Bertha W. Ferguson, Accounting.....	51	Seventh St.	2,200
Charles D. Foley, United States History and Latin.....	178	Highland Ave.	2,600
Florence R. Foote, Medieval and Modern European Hist. 28		Wannalancit St.	2,200
John J. Gardner, Geometry and Business Mathematics. 12		Thirteenth St.	2,600
Emrie E. Gelineau, Manual Training.....	61	Dracut St.	2,350
John H. Gillick, Geometry.....	992	Lakeview Ave.	2,700
Grace M. Goodhue, Ancient History, Greek and Roman History	120	School St.	2,200
Kenneth N. Goward, Physics, Astronomy and Geology 183		Butnam Road	2,350
Peter J. Gulesian, Manual Training.....		Blanchard Av., Billerica	2,700
C. Ethel Hale, English, Botany and Physiology	15	Robbins St.	2,200
Loretta A. Hannafin, Business Law, Business Mathemat- ics and Accounting.....	15	Sargent St.	2,200
Mary E. Harrigan, Latin and U. S. History	73	Nesmith St.	2,100
E. Irene Hogan, Hygiene and Office.....	117	Clark Road	2,100
Mary E. Hornby, United States, Modern European, Medieval, Early European and Roman History	41	Madison St.	1,700
Bessie E. Huntton, French.....	64	Warwick St.	2,200
Elizabeth Irish, English and Algebra	11	Willow St.	2,200
Mary C. Joyce, Oral Expression.....	105	Eleventh St.	2,450
Christine M. Kane, Modern English and European Hist. 327		Rogers St.	2,200
Mary H. Killpartrick, Commercial Geography and United States History	31	Westminster St.	2,200
Helen M. Lambert, Chemistry.....	283	Pawtucket St.	2,200
Bawita Lawler, Physical Education.....	73	Nesmith St.	2,200
Genieve E. Lawrence, Algebra, Botany and English.....	53	Berkeley Ave.	2,200
Frances R. H. Leggat, Physical Education.....	137	Wentworth Ave.....	2,200
James P. Liston, Arithmetic and Athletic Coach.....	96	Fort Hill Ave.	2,350
Seth A. Loring, Modern European History and Junior Business Training		Billerica, Mass.	2,700
Annabelle C. Lowney, Stenography.....	86	Sherman St.	2,200

ROLL OF TEACHERS

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Arthur T. Lynch, Physical Education.....	87 Fort Hill Ave.	2,350
Albert D. Mack, Junior Master, Head of the Commercial Department.....	147 Parkview Ave.....	3,200
Anna L. Maguire, Oral Expression.....	12 South Walker St.	2,000
Agnes W. Maher, English.....	92 Tweith St.	1,600
Anne Loretta Manoney, U. S. History.....	14 Chauncey Ave.	2,200
Philip L. Mahoney, General Science and Junior Business Training.....	37 Laurel St.	1,830
Edwin S. Markham, English and Arithmetic.....	78 Chauncey Ave.	1,960
Mary L. Martin, English and Latin.....	39 Durant St.	2,200
Frances Masterson, German, English and Modern Euro- pean History.....	14 Oakland St.	2,200
Dorothy R. McAdams, Foods.....	321 High St.	1,500
Elizabeth G. McCarthy, Stenography.....	14 Edson St.	1,700
Vincent M. McCartin, Arithmetic and Commercial Geo.	236 Rogers St.	2,350
Henry E. McGowan, Physics and General Science.....	36 Varney St.	2,090
Donald R. McIntyre, Director of Physical Training and Athletics.....	242 Wentworth Ave. ..	2,700
Loretto A. McManmon, English and United States Hist.	Merrimack Av., Dracut	2,200
Gladys W. Mevis, Spanish.....	234 Varnum Ave.	2,200
Frances M. Moore, Commercial Geography, Modern Eu- ropean History and English.....	110 Beech St.	1,500
Hannah Estelle Moors, English and U. S. History.....	104 Moore St.	2,200
Helen K. Mulcahy, Typewriting.....	26 Waverley Ave.	1,600
Ruth B. Munson, Art.....	21 Grace St.	1,900
Elizabeth H. Murphy, French.....	159 White St.	2,200
William J. O'Brien, Civics, Algebra and Physics.....	266 Shaw St.	1,960
Flora A. Owen, Typewriting.....	42 Huntington St.	2,200
Esther A. Owens, French.....	4 Belmont St.	2,200
Dana Palmer, Spanish and United States History.....	153 Fort Hill Ave.	1,960
Joseph G. Pyne, Jr. Sub. Master, English and Greek.....	87 Merrill Ave.	2,900
Thomas F. Pyne, Latin.....	75 Merrill Ave.	2,350
Julia J. Rafter, English.....	109 Highland Ave.	1,700
Carmen G. Rediker, Business Law and Merchandising.....	282 Appleton St.	1,900
Anne V. Reynolds, General Science and Physiology.....	River Rd, N Tewksbury	2,000
May I. Riey, English and French.....	292 Fairmount St.	1,500
Lilla R. Robbins, Art.....	1835 Middlesex St.	2,200
Anna M. Ryan, English.....	789 Westford St.	1,600
Marion M. Ryan, Physical Education.....	40 Sycamore St.	1,800
Hildegard I. St. Onge, French.....	22 Burlington Ave.	2,200
Ida L. Samuels, Stenography.....	52 Crawford St.	2,200
Ruth L. Sawyer, Librarian.....	169 Fairmount St.	2,200
Charles E. Seede, Manual Training.....	26 Fairgrove Ave.	2,800
Millie A. Severance, English and General Science.....	302 Stevens St.	2,200
James A. Shanley, Business Training and Accounting.....	43 Rhodora St.	2,700
Jean C. Shanley, Typewriting and Office Appliance.....	26 Phillips St.	1,900
Margaret V. Spear, French.....	576 Westford St.	2,200
Mary G. Stevens, English.....	173 Nesmith St.	2,200
Alice O. Stickney, Astronomy, Geology and English.....	599 School St.	2,200
Morton A. Sturtevant Sub-Master, Head of the English Department.....	77 Harris Ave.	2,900
Mary E. Tobin, Student Adviser.....	101 Livingston Ave.	2,300
Helen G. Walker, Arithmetic and Office.....	144 Hanks St.	1,600
Susie L. D. Watson, United States History.....	390 E. Merrimack St.	2,200
Helen M. Whitcomb, English and Municipal Civics.....	2 Belmont St.	2,200
John J. Giblin, Band Instructor.....	105 Merrill Ave.	1,000
Major Colby T. Kittredge, Military Instructor.....	141 Cabot St.	1,700
Nathan Pulsifer, M. D., Medical Director.....	473 Beacon St.	200
James P. H. Roane, Rubber.....	52 Livingston Ave.	350
Charles E. Thornton, Custodian.....	295 Appleton St.	
Thomas Harkins, Engineer.....	76 Hanks St.	

Janitors

Herbert R. Baker.....	32 West Sixth St.	
Charles J. Burns.....	28 Crowley St.	
Patrick J. Clarke.....	199 Pleasant St.	
Michael H. Finnegan.....	141 Fayette St.	
John E. Hart.....	84 School St.	
Mary E. Hassett.....	23 Hastings St.	
Thomas J. McGee.....	94 Beacon St.	
Walter S. McInerney.....	101 Woodward Ave.	
Michael A. Molloy.....	130 Walker St.	
Mary E. Quinn.....	165 Branch St.	
John Roark.....	75 Viola St.	
Elizabeth L. Welch.....	36 Abbott St.	
Michael J. Wynne.....	101 Merrill Ave.	

JUNIOR HIGH SCHOOLS

BARTLETT SCHOOL

Wannalancit Street

Tel. 293

Charlotte M. Murkland, Principal.....	179	Pine St.	\$3,850
Helene R. Abels, Drawing.....	43	Nicollet St.	1,950
Sarah E. Ames, History, Civics and Hygiene.....	12	Warwick St.	1,950
Edith J. Atwood, English and Office.....	19	Robbins St.	1,950
Delia F. Briscoe, Mathematics and History.....	R. F. D. No. 3, Lowell		1,950
Anna T. Coburn, Domestic Science.....	357	Westford St.	1,950
Grace C. Delany, Mathematics.....	82	Colonial Ave.	1,950
Alice K. Dinneen, English.....	25	Oliver St.	1,950
Kathleen E. Driscoll, Drawing, Geography, Vocational Opportunities, Physical Education	47	Grace St.	1,950
Katherine L. Farley, English.....	R. F. D. No. 3, Lowell		1,950
George R. Flynn, Manual Arts.....	59	Monadnock Ave. ..	2,450
Elizabeth A. Harrington, English.....	75	Huntington St.	1,950
Annabelle V. Keyes, History and Drawing	119	Gates St.	1,950
Eleanor J. LeLacheur, French, Penmanship and Spelling	520	Hildreth St.	1,950
Teresa G. Lew, Geography and English.....	89	Mt. Hope St.	1,950
Josephine Lynch, Geography, Spelling, Penmanship and Composition	123	Andrews St.	1,690
H. Gertrude Lyons, Mathematics, Spelling, Business Practice	82	Hanks St.	1,950
Helen L. Mansfield, English.....	12	White St.	1,950
Addie B. Merrill, Mathematics and Junior Business Training	465	Bridge St.	1,950
E. Belle Perham, Domestic Science.....	100	Riverside St.	1,950
Bernice M. Quill, Mathematics and Physical Training.....	95	Merrill Ave.	1,850
Charles J. Rodgers, Manual Arts.....	14	DuMerle St.	2,450
Bernice R. Sherburne, English and Mathematics	Tyngsboro		1,950
Bridie M. Sheridan, Geography and History.....	94	Hoyt Ave.	1,950
Alice D. Sunbury, English.....	96	Grove St.	1,950
Helen Thissell, English.....	260	Pine St.	1,950
Amy L. Tucke, Mathematics and Music.....	42	Mt. Vernon St.	1,950
Mary F. Wallace, Music, English, Spelling and Pen- manship	98	Grove St.	1,950

Janitors

John J. Shields.....	120	Bartlett St.
Martin W. Gilligan.....	315	Pawtucket St.
James M. Mulligan.....	30	Walnut St.
Mary A. Deignan.....	23	Ash St.
Margaret H. McMeniman	221	High St.

BUTLER SCHOOL

Gorham Street

Tel. 2185

Charles E. Delorme, Master.....	39	Canton St.	\$3,850
Anna J. Cawley, Grade VII.....	85	Rogers St.	1,950
Helen L. Clark, English and Latin.....	216	High St.	1,950
Mary F. Concannon, Grade VII.....	204	Pleasant St.	1,950
Marguerite J. Cronin, English.....	228	Plain St.	1,950
Mary E. Crowley, English.....	39	Moore St.	1,950
Annie J. Devine, Junior Business Training.....	154	Carlisle St.	1,950
Alice G. Donohoe, Mathematics.....	50	Linden St.	1,950
Dorothy I. Driscoll, Physical Education and Drawing.....	86	Chauncey Ave.	1,950
Margaret C. Fox, Mathematics and Music.....	8	Eddy St.	1,950
Margaret G. Hyde, English.....	900	Central St.	1,950
Myrtle M. Killpartrick, Domestic Science and Drawing.....	31	Westminister St. ..	1,950
Mary E. Lane, Ancient History and Civics.....	27	Ellsworth St.	1,950
Philip J. Maguire, Manual Training and Mechanical Drawing	31	Prospect St.	2,450
Mary L. McSorley, Geography and Hygiene	40	Huntington St.	1,950
Nellie F. Murphy, Mathematics.....	85	Sherman St.	1,950
Alice C. O'Brien, English and Music.....	300	Wildner St.	1,950
Helen C. O'Hare, English and Music.....	203	Pleasant St.	1,950
Marietta E. O'Neil, English and Office.....	6	Penniman Circle ..	1,950
Berengere M. Roy, French and Geography.....	14	Wannalancit St.	1,950
Sadie E. Tully, U. S. History and Vocational Guidance	111	Westford St.	1,950

Janitors

Mary A. Carney.....	18	Bowden St.
Terrence F. Casey.....	163	Howard St.
Thomas M. Keegan.....	22	Ellsworth St.

ROLL OF TEACHERS

49

MOODY SCHOOL

High and Rogers Streets
Tel. 2042

William S. Greene, Master, Mathematics and Ancient History and Hygiene.....	94	Luce St.	\$3,850
Mary F. Carolan, Arithmetic, Domestic Science, Music and Penmanship.....	527	Rogers St.	1,950
Mary J. Campbell, Mathematics and Penmanship.....	20	Nesmith St.	1,950
Margaret C. Gookin, History and Civics.....	57	Butman Road	1,950
Grace A. Lawler, English.....	72	Hanks St.	1,950
E. Grace Lybrand, Latin and French.....	72	South Whipple St. ..	1,700
Dorothy P. McGee, Geography, Music and Drawing.....	94	Beacon St.	1,950
Hazel Stevens, English.....		High St., Chelmsford Ctr.	1,950

Janitors

John O'Connor.....	124	Hoyt Ave.
Bernard Tracy	15	Abbott St.
Delia A. Donohue.....	16	West Bowers St.

CHARLES W. MOREY SCHOOL

Pine and Wilder Streets
Tel. 1094

William W. Dennett, Master.....	121	Sanders Ave.	\$3,850
Katherine F. Baker, Drawing, Literature and Latin.....	665	Andover St.	1,950
Leonora K. Battles, Literature and Mathematics.....	21	Chester St.	1,950
Ella M. Breene, Grammar and Mathematics.....	17	Florence Ave.	1,950
Mabel E. Brown, Geography and History	438	Westford St.	1,950
Anna A. Burnham, Grammar and Mathematics	12	Warwick St.	1,950
Mildred M. Clevette, Mathematics, Drawing and Grammar	225	Summer St.	1,950
Anna T. Coffey, History and Latin.....	16	Belmont St.	1,950
Annie V. Donoghue, Ancient History, Literature and Mathematics	48	Warwick St.	1,950
Helen A. Dow, Grammar and Mathematics.....	11	Robbins St.	1,950
Mary F. Foss, Practical Arts.....	215	Stevens St.	1,950
Hazel A. Gardner, Mathematics and Music	100	Livingston Ave. ..	1,950
Rose C. Geary, Drawing, History and Literature.....	31	Bellevue St.	1,950
Ethel D. Gordon, Geography, History and Mathematics	61	Loring St.	1,950
Minnie C. Gray, Practical Arts	106	Liberty St.	1,950
Laura F. Greene, Music and Office.....	179	Warwick St.	1,950
Irma V. Hodgman, Grammar, Mathematics and Music	43	Osgood St.	1,950
Alice B. Ingham, Literature, Music and Supplies	62	Robbins St.	1,950
Jane T. Johnston, History and Literature	44	Chauncey Ave.	1,950
Gertrude T. Keyes, Drawing and Geography.....	62	Pine St.	1,950
Ralph A. Luce, Manual Training.....	53	Oakland St.	2,450
Clara Marchacos, Drawing, French, History and Grammar	71	Sutherland St.	1,690
Harriet L. McAloon, Literature and Music.....	50	B St.	1,950
Ruth F. Murphy, Grammar, Mathematics, Music, Soc. Sc., Supplies	56	Arlington St.	1,950
Katherine O'Donnell, Grammar, Pen., Business Forms	148	Fort Hill Ave.	1,950
Ellen J. Piper, Asst. in Prac. Arts-Attendance	55	Norcross St.	1,700
Elsie E. Perron, French, Literature and Music.....	67	Thirteenth St.	1,950
Annie M. Robbins, Grammar and Mathematics	116	Highland Ave.	1,950
Grace Scribner, Social Studies.....	76	Tyler Park	1,950

Janitors

Cornelius Barnes.....	21	Morey St.
Mary Dallagher	24	Coburn St.
Mary Durant	209	Summer St.
Elizabeth Griffin	167	Liberty St.
Elmer E. Harder.....	185	Branch St.
Harrison L. Morgan.....	90	Chelmsford St.

VARNUM SCHOOL

Myrtle Street
Tel. 2326

Elizabeth C. Kennedy, Principal	223	Pine St.	\$3,850
Mildred F. Colloty, History and French.....	15	Huntington St.	1,950
Rose A. Dowd, Geography.....	127	Beacon St.	1,950
Mary A. Fay, Mathematics and Geography.....	123	Third St.	1,950
Kathryn H. Flahavan, English Composition, Literature	22	Ruth St.	1,950
Grace E. Frye, Domestic Science and Hygiene.....	9	Sanborn St.	1,950
Loretta V. Gardner, Arithmetic.....	795	Bridge St.	1,950

ROLL OF TEACHERS

Margaret T. Howe, History.....	204	Princeton St.	1,950
Alice L. Joyce, English Comp. and Literature	105	Eleventh St.	1,950
Arthur Lundwall, Manual Training.....	619	Stevens St.	2,457
Mary R. Maguire, English and Grammar	190	Old Meadow Road..	1,950
Alice W. McManmon, Ancient History, Latin and English Literature	Box 794,	Lowell	1,950
Margaret M. Murphy, English, Drawing, Penmanship and Office	14	Beech St.	1,950
Mary W. O'Connor, Commercial Arithmetic, Junior Business Forms and English	132	Belrose Ave.	1,530
Leona M. Small, English, Grammar and Geography	239	Cabot St.	1,950
Charlotte C. Walsh, Mathematics, Music and Civics.....	85	Eleventh St.	1,950

Janitors

John H. Nolan.....	65	Fulton St.
P. Henry Driscoll.....	16	Edwards St.
Mary A. Moran.....	38	West Fifth St.

GRAMMAR SCHOOLS

BARTLETT SCHOOL
Wannalancit Street
(Normal Training School)
Tel. 293

Anna B. Bartlett, gr. 6	Chelmsford Centre	\$1,700
Katherine F. Farley, gr. 5.....	R. F. D. No. 3, Lowell	1,700
Marion M. Garvey, gr. 4.....	105 Highland Ave.	1,520
Catherine Graham, gr. 4.....	69 Royal St.	1,440
Margaret M. Kelly, gr. 4.....	40 Warwick St.	1,360
Catherine B. O'Brien, gr. 5.....	Y. W. C. A.	1,700
E. Ruth Richter, gr. 6	217 Smith St.	1,700

BUTLER SCHOOL
Gorham Street
Tel. 2186

Marion G. Carey, gr. 6.....	28 McKinley Ave.	\$1,700
Helen M. Coughlin, gr. 5.....	400 Stevens St.	1,520
Mary M. Cowell, gr. 6.....	22 London St.	1,700
Henrietta I. Grady, gr. 5 and 6	91 Florence Ave.	1,700
*Sarah D. Ivers, gr. 4.....	East Chelmsford	1,700
**Mary J. Lane, gr. 4.....	11 Bourne St.	1,360
Barbara E. Walker, gr. 5.....	12 Methuen St.	1,700
* Room in Weed Street School		
** Room in Agawam Street School		

COLBURN SCHOOL
Lawrence Street
Tel. 2178

Helen M. Shean, Principal.....	221 High St.	\$3,600
Mary M. Cassidy, gr. 4	Billerica, Mass.	1,700
Elizabeth A. Conway, gr. 5.....	219 Church St.	1,700
Caroline A. Downey, gr. 6.....	56 Huntington St.	1,700
Alice W. Higgins, gr. 5.....	Billerica, Mass.	1,700
Katherine V. Higgins, gr. 6.....	202 Concord St.	1,360
Christina A. Lowney, gr. 4.....	86 Sherman St.	1,700
Bessie K. Sullivan, gr. 4.....	85 Pleasant St.	1,700
Louise C. Thomas, gr. 6.....	85 Eleventh St.	1,700

Janitor

Patrick J. Mahoney.....	16	Lyon St.
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EDSON SCHOOL
Highland Street
Tel. 2182

Leo A. King, Master,	4	Astor St.	\$3,600
Catherine M. Cahill, gr. 4.....	42	Kinsman St.	1,700
Alice G. Carey, gr. 4.....	50	Manchester St.	1,360
Anna E. Donovan, gr. 6.....	104	Gates St.	1,700
Marianna L. Donovan, gr. 5.....	229	Stevens St.	1,700
Marietta G. Gormley, gr. 5.....	22	Lyon St.	1,700
Nora T. Gilman, gr. 6	252	Methuen St.	1,700
Helen I. Hannon, gr. 4	81	Boynton St.	1,700
Delia C. Maloney, gr. 5.....	70	Elm St.	1,700
Margie F. Marren, gr. 6.....	86	Rolfe St.	1,700

ROLL OF TEACHERS

51

Janitors

George B. Markham.....	12	Burns St.
Charles H. Brady	12	Corson St.

GREEN SCHOOL Merrimack Street Tel. 2262

Elizabeth Provencher, Principal.....	1296	Middlesex St.....	\$3,600
Hannah M. Barrows, gr. 5-A, Domestic Science	66	Hanks St.	1,800
Helen M. Blessington, gr. 4-C	53	Second Ave.	1,700
Esther G. Donlan, gr. 4, Special	111	Westford St.	1,700
Jennie E. Fay, gr. 6-C	115	Stackpole St.	1,700
Margaret C. Gallagher, Special	82	Humphrey St.	1,360
Mary V. Johnson, gr. 5-B	183	Wilder St.	1,700
*Mary E. Lennon, gr. 4-D	374	High St.	1,520
Katherine F. McCarthy, gr. 5-C	647	Market St.	1,700
M. Alice McCue, gr. 6-B	252	Methuen St.	1,700
M. Grace McCue, Groups	252	Methuen St.	1,700
Alice M. McDermott, gr. 4-B	12	Courtland St.	1,700
Christine A. Mitchell, gr. 6-A	1071	Lakeview Ave. ..	1,700
Mary G. O'Donoghue, gr. 4-A	89	Foster St.	1,700
Mary C. Sullivan, Special.....	123	B St.	1,360
*Room in the Worthen Street School.			

Janitors

Oscar W. Brown.....	35	Livingston Ave.
William S. McKenzie, Jr.	87	Gershom Ave.

GREENHALGE SCHOOL Ennell Street Tel. 2272

John G. Wolcott, Master	176	Sixth St.	\$3,600
Florence A. Brooks, gr. 4	15	Bertha St.	1,700
Ethel H. Chalifoux, gr. 5	9	Plymouth St.	1,700
M. Alice Cochrane, gr. 6.....	230	Cabot St.	1,700
Lucy L. Desmond, gr. 4.....	195	Stackpole St.	1,700
Catherine Gillick, gr. 5.....	998	Lakeview Ave.	1,700
Madalen Gillick, gr. 4.....	998	Lakeview Ave.	1,700
Ethel G. Label, gr. 4	38	Richards St.	1,600
Agnes A. McGowan, Special.....	36	Varney St.	1,700
Helen McMahon, gr. 6.....	23	Bourth Ave.	1,600
Alice A. Masterson, gr. 5.....	14	Oakland St.	1,700
Ellen T. Muldoon, gr. 6.....	998	Lakeview Ave.	1,700
Ruth M. Whelton, gr. 5.....	203	Third St.	1,440

Janitors

John Barrett.....	18	Burnside St.
David E. Cornock.....	821	Bridge St.
James Hounsell	704	Bridge St.

ABRAHAM LINCOLN SCHOOL Chelmsford Street Tel. 2108

D. Murray Cummings, Master	258	Rogers St.	\$3,600
Ellen L. Floyd, gr. 4.....	124	Stevens St.	1,700
Jennie T. Frawley, gr. 5.....	547	Wilder St.	1,700
Alice C. Gray, gr. 6.....	71	Whipple St.	1,700
Rose M. Harrington, gr. 4.....	75	Huntington St.	1,360
Margaret S. Jamieson, groups.....	19	W. Forrest St.	1,700
Mary M. Kelley, gr. 6	29	Princeton St.	1,600
Margaret G. McDonald, gr. 5	43	Gates St.	1,700
Lillian E. Moran, gr. 5.....	17	Burlington Ave.	1,600
Catherine E. Mulligan, gr. 4.....	231	School St.	1,700
Mary T. O'Neill, gr. 6.....	175	Walker St.	1,700
Louise E. Pollard, gr. 4	9	Everett St.	1,360
Margaret M. Sparks, gr. 6.....	169	Fort Hill Ave.	1,700
Mary X. Sullivan, Ungraded.....	28	Dunfey St.	1,360
Bride T. Sweeney, gr. 6.....	12	Cascade Ave.	1,700

Janitors

Thomas F. Quinn	34	Weed St.
William F. Lane.....	287	Riverside St.

MOODY SCHOOL
High and Rogers Streets
Tel. 2042

Elizabeth M. Hanson, gr. 5 and 6	872	Mammoth Road	\$1,700
Fannie G. Hobbs, gr. 4	302	Nesmith St.	1,700
Alice E. Ramsay, gr. 4	21	Myrtle St.	1,700
Margaret K. Riordan, gr. 5	26	Talbot St.	1,700
Sarah A. Taff, gr. 6	63	Glenwood Ave.	1,700

CHARLES W. MOREY SCHOOL
Pine and Wilder Streets
Tel. 1094

Lillian E. Alister, gr. 6	71	Wedge St.	\$1,700
Mary E. Cunningham, gr. 4-5	52	B St.	1,700
*Florence A. Geary, gr. 4	31	Bellevue St.	1,700
Alberta M. McQuesten, gr. 5	118	D St.	1,700
Mary A. Murphy, gr. 5	999	Princeton Blvd.	1,700
*Minnie Owens, Special	4	Belmont St.	1,700
Charlotte Parsons, gr. 4	11	Belmont St.	1,700
Ellen J. Piper, Asst. in Practical Arts	55	Norcross St.	1,700
Lulu Turner, gr. 6	33	Warwick St.	1,700
Katherine M. Usher, gr. 6	32	South Walker St. ..	1,700
*Grace F. Ward	43	Gates St.	1,700
*Room in Franklin School.			

PAWTUCKET SCHOOL

Mammoth Road
Tel. 2301

Joseph A. McAvinnue, Master	339	Mammoth Road ..	\$3,100
Anna I. Cassidy, gr. 6	42	Florence Ave.	1,700
Corinna G. Cover, gr. 4	16	Lombard St.	1,700
Clotilda A. Delaney, gr. 4	82	Colonial Ave.	1,700
Mary M. Farrell, Open Air Room	214	West Sixth St.	1,850
Goldie M. Gardner, gr. 5	100	Livingston Ave. ..	1,700
Loretta M. Kinsela, gr. 6	192	Highland Ave.	1,700
Mary A. McKeon, gr. 5	117	Woodward Ave. ..	1,700
Edith T. Miles, gr. 5	495	Varnum Ave.	1,700
Rose L. Porteck, gr. 6	149	Rogers St.	1,440
Julia B. Riordan, Open Air Room	27	Woodward Ave.	1,850
Janitors			
Patrick H. Kelley	46	Butterfield St.	
Aime E. Savard	311	Mammoth Road ..	
James E. Somers	104	Woodward Ave.	

RIVERSIDE SCHOOL
Woburn Street, Wigginvill
Tel. 2437

Rosalie T. Burns, Principal	39	Whitehead Ave.	\$3,600
Elizabeth A. Gilinson, gr. 6	3	Bourne St.	1,700
Anne E. Irving, Music, Penmanship, Drawing—Gr. 9			
Reading, Number Work, gr. 2	783	Lawrence St.	1,700
Helena C. McGowan, gr. 5	236	Fairmount St.	1,700
Etta M. Smith, gr. 4	1118	Lawrence St.	1,700
Harriet L. Wheeler, gr. 7	64	Morton St.	1,700

Janitor

George H. McWilliams	47	Agawam St.	
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VARNUM SCHOOL

Myrtle Street
Tel. 2326

Martina L. Boyle, Special—Penmanship, Drawing, Eng. 84	84	Parker Ave.	\$1,700
Susan F. Burbank, gr. 4		Chelmsford Centre ..	1,700
Ruth F. Hathaway, gr. 6	106	Durant St.	1,700
Ada E. Hoole, gr. 4	200	French St.	1,700
Alice F. Morrill, gr. 5	56	Methuen St.	1,700
Anna S. Mulligan, Groups and English	208	Shaw St.	1,520
Alice M. Riley, gr. 6	39	Methuen St.	1,440
Ruth C. Sheldon, gr. 4	4	Sanborn St.	1,520

WASHINGTON SCHOOL
Lang Street Near Inland
Tel. 3529

John E. Barr, Master.....	168 Sixth St.	\$3,600
Carrie L. Brown, gr. 4.....	92 Jenness St.	1,700
Estelle M. Coffey, gr. 5.....	183 Wilder St.	1,520
Irene H. Dowd, gr. 5.....	1354 Gorham St.	1,700
Clara M. Everett, Groups.....	36 Chatham St.	1,700
Bertha W. Leadbetter, gr. 4.....	10 Newbury St.	1,700
Olive J. Palm, gr. 6.....	806 Stevens St.	1,700
Esther A. Sanders, gr. 6.....	52 Tenth St.	1,700

Janitors

David H. Angluin	27 Crowley St.
Eli B. Hart	1036 Middlesex St.

PRIMARY SCHOOLS

The grammar school to which each primary belongs is indicated in parenthesis.

Alice T Lee, Supervisor of Primary Grades, 12 South Walker St.\$2,500

Office hours—Mondays, Wednesdays and Fridays, 3.45 to 4.45 p. m. at the office of the Superintendent of Schools.

AGAWAM (Butler)

Anna M. Higgins, Principal, gr. 3, 2, 1, North Billerica, Mass.\$1,850

Janitor

John H. Hallett7 Meadowcroft St.

AMES STREET (Colburn)

Rose E. MacVey Principal gr. 2.....	519 Westford St.	\$1,850
Catherine E. McDermott, Special	12 Courtland St.	1,700
Julia C. O'Sullivan, gr. 1.....	105 Mt. Washington St.	1,700
Mary C. Timmons, gr. 3.....	445 Merrimack St.	1,700

Janitor

John T. McCarty.....56 Sixth St.

BARTLETT (In Bartlett School)

Emma M. Graham, gr. 2.....	22 Burgess St.	1,700
Ellen E. McEvoy, gr. 3.....	55 Fourth Ave.	1,520
Frances C. Moriarty, gr. 2.....	12 Warwick St.	1,950
Essie E. Roche, gr. 1.....	1835 Middlesex St.	1,700
Mary E. Snow, gr. 1.....	89 School St.	1,700
Marguerite Tellier, gr. 3.....	51 Whitney Ave.	1,600

CABOT STREET (Green)

Mary T. Whelley, Principal, gr. 3.....	254 Parkview Ave.	1,850
Ellen F. Lynch, gr. 2.....	104 School St.	1,700
Helen A. McKeon, gr. 2.....	117 Woodward Ave.	1,520
Mary J. Murphy, gr. 1.....	34 Butterfield St.	1,700

Janitor

Timothy F. Harrington358 Moody St.

CARTER STREET (Butler)

Katherine F. Brady, Principal, gr. 1 and 2.....	391 Stevens St.	\$1,850
Nora H. Leary, gr. 2 and 3.....	99 Pleasant St.	1,700

Janitor

Timothy Moynihan38 Whipple St.

CENTRAL STREET (Colburn)

Helen A. Drury, Principal, gr. 1.....	348 Wilder St.	\$1,850
Mary Early, gr. 3.....	27 Princeton St.	1,600
Helen Brady, gr. 2.....	38 Blossom St.	1,700

Janitor

William P. Black45 Walnut St.

ROLL OF TEACHERS

CHARLES STREET (Edson)

Katherine C. Early, Acting Principal, gr. 3	53 Nesmith St.	\$1,850
Helen R. Halloran, gr. 2	546 East Merrimack St.	1,700
Katherine R. Hey, gr. 1	26 Mill St.	1,360
Louise F. Mahoney, Sight Saving Class	550 Westford St.	1,850

Janitor

James E. Leary	249 East Merrimack St.
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COLBURN (Colburn)

Anna M. Courtney, Principal, gr. 3	445 Merrimack St.	\$1,900
Elizabeth R. Connell, gr. 1	19 Fort Hill Ave.	1,700
Helen M. Crowley, gr. 2	254 Parkview Avenue	1,700
Mary A. Hartley, Special	41 Grace St.	1,700

Janitor

John Scott	732 Stevens St.
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CROSS STREET (Bartlett)

Mary R. Marien, Principal, gr. 3	86 Rolfe St.	\$1,850
Annie T. Curley, gr. 2	444 Fletcher St.	1,700
Katherine Kelly, gr. 1	452 Fletcher St.	1,700
Alice F. Seeton, gr. 1	159 Mammoth Road	1,700

Janitor

William H. Kennedy	73 Fletcher St.
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DOVER STREET (Morey)

Bertha Gardner, Principal, gr. 1	32 Robbins St.	\$1,850
Anna J. Masterson, gr. 1 and 2	14 Oakland St.	1,700
Anna H. Rouine, gr. 2 and 3	329 Lincoln St.	1,700

Janitor

Frank J. Burch	24 South Canton St.
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ELIOT (Edson)**Favor and Summer Streets**

Ellen A. Corbett, Principal, gr. 3	32 Highland St.	\$1,850
Emma L. Brennan, gr. 1	284 Mammoth Road	1,440
Louise A. Fay, gr. 2	123 Third St.	1,520
Loyola McCann, gr. 1-2	17 Wentworth Ave.	1,700

Janitor

Charles J. McCabe	135 Summer St.
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FRANKLIN (Morey)**Branch and Middlesex Streets**

Grace F. Ward, Principal, gr. 5	43 Gates St.	\$200
Mary E. Coffey, gr. 2	183 Wilder St.	1,700
Mary E. Richardson, gr. 3	Chelmsford	1,700
Catherine L. Wrenn, gr. 1	173 School St.	1,600

Janitor

Joseph Provost	38 Branch St.
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GRAND STREET (Lincoln)

Jennie M. Bennett, Principal, gr. 2	38 Gates St.	\$1,850
Nelda L. Cross, gr. 1	148 Myrtle St.	1,520
* Mary J. Moynahan, gr. 1	84 Glenwood St.	1,700
* Room in Howard Street School		

Janitor

Ernest McGowan	2 Colwell Ave.
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GREENHALGE SCHOOL (In Greenhalge School)

Ruth Crowell, gr. 1	142 First St.	\$1,700
Agnes Dudley, gr. 2	126 Coburn St.	1,700
Mary G. Dudley, gr. 2	126 Coburn St.	1,700
Martha Rogers, gr. 3	131 Cumberland Road	1,700
Jessie I. Stanley, gr. 1	19 Barclay St.	1,700

ROLL OF TEACHERS

55

LAKEVIEW AVENUE (Greenhalge)

Margaret J. McCluskey, Principal, gr. 3..	246 Metheun St.	\$1,850
Katherine P. O'Brian, gr. 2	28 West Adams St.	1,700
Anna F. Joyce, gr. 1	105 Eleventh St.	1,700

Janitor

Joseph Neaphen	39 West St.
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LAURA E. LEE (Lincoln)

Plain and Powell Streets

Flora H. Sprague, Principal, gr. 3	110 Branch St.	\$1,900
Jessie M. Agnew, gr. 1	W. Chelmsford	1,700
Sara M. Dean gr. 2-3	61 Loring St.	1,700
Lena M. Robinson, gr. 2-3	68 South Walker St.	1,700
Lilla M. Stanley, gr. 2	2 Horn St.	1,700

Janitor

William J. Hunt	17 A St.
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LEXINGTON AVENUE (Bartlett)

Tel. 4287

Alma L. Ward, Principal, gr. 1-2	57 Methuen St.	\$1,750
Alice M. Carey, gr. 3-4	97 Avon St.	1,280

Janitor

Timothy F. Rohan	65 Clare St.
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ABRAHAM LINCOLN (Lincoln)

Elsie M. Puffer, gr. 3	942 Middlesex St.	\$1,700
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LONDON STREET (Butler)

Margaret L. Hagerty, Principal, gr. 3.....	34 Bellevue St.	\$1,850
Katherine F. Kearney, gr. 2-1	67 Hawthorne St.	1,360
Mary F. Hill, gr. 2-1	1150 Chelmsford St.	1,700

Janitor

Peter J. Hunt	57 Greendale Ave.
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LYON STREET (Butler)

Kate F. Murphy, Principal, gr. 3-2	870 Gorham St.	\$1,850
Bridget V. O'Connell, gr. 1-2	7 Everett St.	1,700

Janitor

John J. Manchester	906 Central St.
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MIDDLESEX VILLAGE (Morey)

Middlesex and Cornell Streets

Harriet F. Wakefield, Principal, gr. 5-6 ..	96 Grove St.	\$1,900
Gertrude E. Dane, gr. 1	834 Westford St.	1,700
Genevieve E. Callahan, gr. 3-4	North Chelmsford	1,700
Mary Kelleher, gr. 2	111 Agawam St.	1,440

Janitor

Terence J. O'Loughlin	37 Ware St.
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CHARLES W. MOREY (In Charles W. Morey School)

Lowena Mills, gr. 2-3	274 Gibson St.	\$1,280
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ROLL OF TEACHERS

MORRILL (Green)

Esther V. Green, Principal, gr. 2	434 Westford St.	\$1,900
Mary K. Daley, gr. 1	North Chelmsford	1,600
Mary F. Morris, gr. 3	5 Rosemary Ave.	1,700
Catherine A. Sullivan, gr. 1	434 Fletcher St.	1,440

Janitor

Theodore Towner	13 Third St.
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PAWTUCKET (In Pawtucket School)

Lillian W. Allard, gr. 2	50 Seventh Ave.	\$1,700
Margaret F. Bruin, gr. 2	161 School St.	1,700
Eugenia L. Hogan, gr. 3	841 Moody St.	1,700
Rose O. Leary, gr. 1	137 Hoyt Ave.	1,360
Marguerite M. McGuinness, gr. 3	682 Broadway St.	1,700
Mary E. Sheridan, gr. 1	94 Hoyt Ave.	1,440

PINE STREET (Morey)

Carrie J. Bailey, Principal, gr. 3	56 Loring St.	\$1,850
Helen D. Swain, gr. 1	12 Warwick St.	1,700
Grace I. Washburn, gr. 2	366 Walker St.	1,700

Janitor

Joseph M. Hunt	173 Stevens St.
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**POND STREET (Moody)
Pond and High Streets**

Adelaide Crowley, Principal, gr. 1	115 Fort Hill Ave.	\$1,850
*Maud E. Green, gr. 1	834 Westford St.	1,700
Mary I. Halloran, gr. 2	546 East Merrimack St.	1,700
**Marietta L. O'Donnell, gr. 3	148 Fort Hill Ave.	1,520
* Room in High Street School		
** Room in Moody School.		

Janitor

John T. Rogers	384 Concord St.
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POWELL STREET (Lincoln)

Elizabeth H. Seede, Principal, gr. 1-2	24 Warwick St.	\$1,850
Gladys Tucker, gr. 3-2	Chelmsford Centre	1,700

Janitor

James A. Buckley	324 Middlesex St.
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RIVERSIDE (In Riverside School)

Ruby C. Blain, gr. 3-2	17 Bleachery St.	\$1,600
Charlotte O. Lowe, gr. 1-2	2010 Middlesex St.	1,800

SYCAMORE STREET (Moody)

Florence E. Rowell, Principal, gr. 3	388 Wentworth Ave.	\$1,850
Elizabeth B. Dame, gr. 2	52 Pentucket Ave.	1,700
M. Beatrice Devine, gr. 1	158 Mt. Vernon St.	1,440

Janitor

Dennis A. Harrington	495 High St.
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TENTH STREET (Varnum)

Mary F. Beane, Principal, gr. 3	212 Tenth St.	\$1,900
Alice M. French, gr. 1	9 Sanborn St.	1,700
Evelyn G. Hyde, gr. 1	38 Humphrey St.	1,440
Grace A. McMahon, gr. 2-3	23 Fourth Ave.	1,700
Fannie H. Murphy, gr. 2	42 Twelfth St.	1,700

Janitor

Winfield S. Cross	148 Myrtle St.
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WASHINGTON (In Washington School)

Mary V. Coughlin, gr. 1	87 Bellevue St.	\$1,700
Rose Duffin, gr. 1	167 Howard St.	1,600
Georgianna P. Keith, gr. 3	128 Myrtle St.	1,700
Natalie M. McQuade, gr. 2	13 Willie St.	1,700
Marie F. Reynolds, gr. 2 and 3	37 Marlborough St.	1,520

ROLL OF TEACHERS

57

WEED STREET (Butler)

Lilla M. McEvoy, Principal, gr. 2-3	210 Pawtucket St.	\$1,850
Mary F. Devine, gr. 1	1527 Gorham St. E. Chelmsford	1,700

Janitor

John N. Palm	369 Lawrence St.	
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WEST SIXTH STREET (Greenhalge)

Mabel A. Metcalf, Principal, gr. 2	93 Vernon St.	\$1,850
Florence E. Archibald, gr. 3	112 Fremont St.	1,700
Martha G. Gallagher, gr. 1	82 Humphrey St.	1,520
Catherine M. O'Connor, gr. 1	36 Canton St.	1,500

Janitor

Adam McElroy	129 Eleventh St.	
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WORTHEN STREET (Green)

Mary E. Meehan, Principal, gr. 1	228 Worthen St.	\$1,850
Helen M. Barrett, gr. 2	19 Burnside St.	1,440
Marion E. McMaster, gr. 1	56 Rolfe St.	1,700

Janitor

Charles E. Clark	11 Carter St.	
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KINDERGARTENS

AGAWAM STREET (In Agawam Primary)

Sarah G. Sparks, Principal	59 Elm St.	\$1,500
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BARTLETT (In Bartlett School)

Helen W. Noyes, Principal,—On leave	102 Butman Road	\$1,500
Christine MacPherson,	2 Penniman Circle	1,440
Louise Hennessey	287 Nesmith St.	1,200

CENTRAL STREET (In Central Street School)

Ethel M. Guilfoy, Principal	178 Pine St.	\$1,500
Hortense M. Lamere	13 Ralph St.	1,310

CHARLES STREET (In Colburn Primary)

Mabel D. Nickerson, Principal	20 Willow St.	\$1,500
S. Alice Knapp	281 East Merrimack St.	1,440

DOVER STREET (In Dover Street Primary)

Elizabeth A. Wilson, Principal	15 South Canton St.	\$1,500
Elizabeth P. Carmichael	22 Rolfe St.	1,440

FRANKLIN (In Franklin Primary)

N. Grace Taylor, Principal	5 Ware St.	\$1,500
Marion E. Howard	4 Barton Ave.	1,440

GREENHALGE (In Greenhalge School)

Katherine E. Thomas, Principal	85 Eleventh St.	\$1,500
Catherine Burns	84 Methuen St.	1,440

HOWARD STREET (In Howard Street Primary)

Gertrude A. Roberts, Principal	Chelmsford, P. O. Box 36	\$1,500
Gertrude J. Regan	210 Mammoth Road	1,360

Janitor

Ernest McGowan	2 Colwell Ave.	
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LAKEVIEW AVENUE (In Lakeview Avenue Primary)

Anna M. Ford, Principal	221 High St.	\$1,500
Elizabeth H. Foye	127 Durant St.	1,200

LAURA E. LEE (In Laura E. Lee Primary)

Katharine M. Crowley, Principal	115 Fort Hill Ave.	\$1,500
Marion A. Condon	96 Midland St.	1,360

ROLL OF TEACHERS

MIDDLESEX VILLAGE (In Middlesex Village Primary)
 Theresa L. White, Principal488 Pine St.\$1,500

MOODY (In High Street Primary)
 Marietta King, Principal—On Leave205 Stackpoie St.
 Esther L. Cooney, Acting Principal.....31 Adam Terrace\$1,500
 Eleanor M. McPadden19 Myrtle St.1,360

MORRILL (In Morrill Primary)
 Magdalen Cooney, Principal31 Adam Terrace\$1,500
 Anna A. Riley39 Methuen1,200

PAWTUCKET (Mammoth Road)
 Hortense Tabor, Principal82 Riverside St.\$1,500
 Mary Danckert43 Rhodora St.1,200
Janitor
 Patrick H. Kelley46 Butterfield St.

PINE STREET (In Pine Street Primary)
 Louie I. Smith, Principal549 Westford St.\$1,500
 Elizabeth C. Fulton.....49 Robbins St.1,440

SYCAMORE (In Sycamore Primary)
 Helen L. Eveleth, Principal147 Wentworth Ave.\$1,500
 Frances Graves270 Varnum Ave.1,440

VARNUM (In Varnum School)
 Ella M. Penn, Principal31 Sanders Ave.\$1,500
 Marion Simpson67 Methuen St.1,440

WASHINGTON (In Washington School)
 Doris Childs, Principal215 Stevens St.\$1,500
 Mary S. Dexter319 Wilder St.1,200

WEED STREET (In Weed Street Primary)
 Gertrude B. Crowley, Principal115 Fort Hill Ave.\$1,500

CONTINUATION SCHOOL

HIGH SCHOOL ANNEX

Tel. 6225

Thomas A. Ginty, Director.....117 Andover St.\$3,600
 Mary E. King, Clerk22 Walnut St.1,400

Academic Subjects

Julia M. Driscoll47 Grace St.1,850
 Walter M. Glasheen126 Highland Ave.2,350
 Anna T. McCarron228 High St.2,200
 Katherine C. O'Neill175 Walker St.1,850
 William J. Reardon43 Florence Ave.1,850

Domestic Science

M. Katherine Gallagher300 Wilder St.2,100

Instructor in Machine Shop Practice

William G. Hannafin15 Sargent St.2,200

Teacher of Millinery and Dressmaking

Margaret A. Harrington211 Christian St.1,850

Teacher of Dressmaking

Elizabeth J. Regan7 Porter St.1,850

Instructor in Woodworking

Raymond W. Slater151 Midland St.2,200

Physical Instructor

Major Colby T. Kittredge141 Cabot St.500

Janitor

Edward F. Dougherty416 Walker St.

VOCATIONAL SCHOOL

Mann School Building, Broadway

Tel. 2932

Thomas F. Fisher, Director	100 Sanders Ave.	\$3,800
Margaret E. McCann, Clerk	196 Aiken Ave.	1,400
Sub-Master and Head of Machine Department		
Maurice A. Butterfield	12 June St.	2,700
Machine Shop Practice		
Charles J. Welsh	77 Billings St.	2,500
Automobile Repairing		
John J. Gildee, Head	112 D St.	2,800
Robert B. Derbyshire	5 Sladen St.	2,500
George H. Dozois	11 Spaulding St.	2,500
English and Mathematics		
Timothy M. Tully	96 White St.	2,220
Science		
William B. Hilliard	109 South Walker St.	2,500
Electrical Department		
Chester W. MacDonald, Head	22 Bellevue St.	2,600
T. Vincent Hutton	69 Greenfield St.	2,100
Ernest A. Shafter	373 Beacon St.	2,500
Harry M. Tabor	84 Billings St.	2,500
Civics and Hygiene		
Walter J. Markham	57 Thayer St.	2,350
Carpentry		
Fred F. Wiggan	Chelmsford, Mass.	2,500
James P. McCann	414 Wentworth Ave.	1,900
Cabinet Making		
John F. Moran	222 Cross St.	2,100
Mechanical Drawing		
Andrew J. Moynahan	84 Glenwood St.	2,500
Oiler		
Thomas S. Crowley	31 Nineteenth St.	1,700
Janitor		
George P. Daley	98 Walker St.	

GIRLS' DEPARTMENT—HOMEMAKING

HIGH SCHOOL ANNEX

Paige and John Streets

Tel. 5411

Head of Girls' Department

Esther M. Downing	434 Westford St.	\$2,300
Cooking — Foods		
Ruberta M. Bramhall, Head	84 Tenth St.	1,900
Kathleen E. Hogan	35 Glenwood St.	1,600
Doris M. Sanborn	260 Mansur St.	1,600
Dressmaking		
M. Eleanor Kivlan, Head	73 Moore St.	1,600
Agnes R. Burns	220 West Sixth St.	1,800
Lillian E. Chisholm	891 Bridge St.	1,400
Mary H. Mehan	169 Merrimack St.	1,800
Millinery		
Mary H. Mehan	169 Merrimack St.	1,800
Home Nursing		
Helen F. O'Rourke, R. N.	154 Shaw St.	\$5 per day
Hairdressing		
Helen C. Bradley	172 West Sixth St.	\$4 per day
Academics		
Elizabeth H. Flahavan	22 Ruth St.	1,800
Mary E. Flahavan	22 Ruth St.	1,800
Agnes L. Liston	96 Fort Hill Ave.	1,800
Janitors		
Arthur R. Dana	465 Bridge St.	
William J. Hunt	3 Fourth St.	

SPECIAL TEACHERS

Musical Director		
Gertrude F. O'Brien	91 Riverside St.	\$2,500
Assistants in Music		
Katherine V. Hennessey	198 Pine St.	1,550
Gertrude Martin	125 Nesmith St.	1,280
Supervisors of Drawing		
Adelaide E. Edwards	93 Vernon St.	2,200
Edith C. Merchant	268 Westford St.	2,200
Wilhelmina Young	625 Central St.	1,700
Teacher of Reading and Expression		
Mary H. Casey	46 June St.	1,600
Teachers of Sewing		
Esther M. Owens, Supervisor	4 Belmont St.	1,950
Josephine Y. Grant	339 Westford St.	1,700
Louise H. McOsker	567 Andover St.	1,950
Margaret G. Riley	39 Methuen St.	1,890
Grace E. Stevens	Stedman St., Chelmsford Centre	1,700
Supervisor and Director of Physical Education in Elementary Schools		
Donald R. McIntyre	242 Wentworth Ave.	500
Assistants to Physical Director		
Joseph M. Duffy	199 High St.	2,350
Helen R. Gilbride	58 Tyler Park	1,700
Nelle D. Horner	353 Westford St.	1,950
Francis J. O'Brien	78 Park Avenue, East	2,350
James P. H. Roane	52 Livingston Ave.	2,350
Olga F. Shay	274 Appleton St.	1,950
Paul F. Sullivan	59 Porter St.	2,350
Director of Fire and Accident Prevention		
Major Walter R. Jeyes	365 Parker St.	2,350
Supervisors of Penmanship		
William A. Donovan	14 Adam Terrace	500
Margaret M. Garvey	476 Westford St.	1,900
Albert D. Mack	147 Parkview Ave.	500
James A. Shanley	43 Rhodora St.	500
Supervisor of English in Elementary Schools		
Morton A. Sturtevant	77 Harris Ave.	300
Full-Time Teacher of Americanization Classes		
Marietta King	205 Stackpole St.	1,700

DENTAL CLINIC

(In "The Coop" on Kirk Street)

Dr. Patrick Mullane	219 Central St.
Dr. Frederick F. Donahoe	305 Sun Bldg.
Assistant to Dentist	
Eva M. Lantagne	678 Bridge St.

SCHOOL HYGIENE

John J. McNamara, M. D., Director	494 Gorham St.
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SCHOOL NURSES

Margaret Craig	102 Bourne St.
Mary Douglass	322 East Merrimack St.
Marietta M. Dwyer	23 Sidney St.
Mary Fitzpatrick	52 Fay St.
Sarah Fox Donahue	284 Beacon St.
Mary E. Frazier	54 Starbird St.
Josephine M. Leclair	104 School St.
Rose V. Lettrell	13 Harrison St.
Clarina Morier	759 Merrimack St.
Anna C. O'Dwyer	148 Midland St.

SCHOOL PHYSICIANS

C. Stoyke Baker, M. D.	15 Holyrood Ave.
John F. Boyle, M. D.	591 Andover St.
James J. Cassidy, M. D.	111 Riverside St.
Winifred M. Wolls-Devine, M. D.	27 Parkview Ave.
George O. Lavalley, M. D.	790 Merrimack St.
Charles M. Roughan, M. D.	65 Merrill Ave.
Emma Y. Slaughter, M. D.	545 School St.
Edward O. Tabor, M. D.	370 Beacon St.
Rodrique Mignault, M. D.	841 Merrimack St.
Fred P. Murphy, M. D.	175 Central St.
Harry B. Plunkett, M. D.	406 Wyman's Exchange

PERMANENT SUBSTITUTES

Florence L. Shanahan	37 State St.
Sarah F. Lyons	122 Seventh Avenue
Mary F. Robinson	796 Elm St., New Haven, Conn.
Gladys Brophy	30 Ellingsburg St.
Mary E. Mooney	203 Moore St.
Czarina V. Bartlett	49 Varnum Avenue
Agnes D. Burns	17 Harrison St.
Marie C. Parthenais	30 Phillips St.
Grace C. Sheehan	54 Hanks St.
Elinor Carmichael	22 Rolfe St.
Marion R. Mahoney	560 Westford St.
Dorothy I. Whitten	136 Princeton Blvd.
Ella J. M. Mulligan	208 Shaw St.
Sarah G. Loupret	183 Pine St.
Katherine M. Lester	69 Swift St.

ABSENT ON LEAVE

Marion S. Durrell	Unassigned Kindergarten Teacher
Helen B. Noyes	Principal, Bartlett Kindergarten
Stella G. Moloney	Elected Elementary Teacher

EVENING SCHOOLS**EVENING HIGH SCHOOL**

Henry H. Harris, Principal93 Eleventh St.
 E. Helena Rivet, Principal's Assistant271 Beacon St.

Accounting I

James J. Clinton64 Seventh Avenue
 Eugene J. Donovan809 Lawrence St.
 William A. Donovan14 Adams Terrace

Accounting II

Joseph M. Donoghue22 Fairfield St.

Accounting III

Albert D. Mack147 Parkview Ave.

Commercial Arithmetic, Algebra, Geometry

Elmer G. Brennon97 Georgia Ave.

Algebra, English and Latin

Elizabeth Irish11 Willow St.

Elementary Arithmetic

Addie B. Merrill465 Bridge St.

Advanced Arithmetic

Joseph G. Pyne76 Merrill Avenue

Civil Service

Martin E. Connors143 Wentworth Ave.

English and English Supervision

Morton A. Sturtevant77 Harris Ave.

English

Alice O. Stickney599 School St.

Elementary English

Katherine M. O'Donnell148 Fort Hill Ave.

Oral English

Gladys W. Mevis234 Varnum Ave.

English I, United States History, Ancient History

Frances Masterson14 Oakland St.

English I, II

John J. Gardner12 Thirteenth St.

French and Latin

Hildegard I. St. Onge22 Burlington Avenue

Business Law and Salesmanship

Carmen G. Rediker282 Appleton St.

Manual Training

Peter J. GulesianBlanchard Ave., Billerica

Manual Training

Charles J. Rodgers14 DuMerle St.
 Charles E. Seede26 Fairgrove Ave.
 Raymond W. Slater151 Midland St.

Advanced Penmanship

Margaret M. Garvey144 Cumberland Road

Penmanship

Sarah A. Taff63 Glenwood St.

Physics I, II, Chemistry		
Emrie Gelineau	61	Dracut St.
Physiology, Spanish and English I		
Edward B. Cornell	88	Durant St.
Stenography and Typewriting		
Grace L. Barrett	77	Mt. Vernon St.
Stenography I and Typewriting		
Annabelle C. Lowney	86	Sherman St.
Elizabeth G. McCarthy	14	Edson St.
Theresa F. Shanley	26	Phillips St.
Stenography I and III and Typewriting		
Ruth F. Murphy	56	Arlington St.
Stenography II		
Albertine Bernier	91	West Sixth St.
Stenography II and III		
Margaret L. Seeton	55	Mt. Washington St.
Secretarial Training, Stenography III		
Orton E. Beach	87	Glenwood St.
Typewriting II, III		
Ruth L. Eaton	49	Pine St.
Joan C. Shanley	26	Phillips St.
U. S. History, Commercial Geography and Civil Government		
Mary E. Tobin	101	Livingston Avenue

ELEMENTARY EVENING SCHOOLS

BUTLER

Charles E. Delorme, Principal	39	Canton St.
Sarah D. Ivers		East Chelmsford
Philip J. Maguire	31	Prospect St.

CABOT STREET (For Girls Only)

Mary R. Marren	86	Rolfe St.
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COLBURN

Helen M. Shean, Principal	221	High St.
Agnes A. McGowan	36	Varney St.
Bridget V. O'Connell	7	Everett St.
Bessie K. Sullivan	85	Pleasant St.

EDSON

Leo A. King, Principal	4	Astor St.
Mary M. Cowell	22	London St.
Mary Early	27	Princeton St.
Hazel Gardner	100	Livingston Ave.

FRANKLIN

Annie V. Donoghue	48	Warwick St.
Elizabeth Flahavan	22	Ruth St.
Mary Flahavan	22	Ruth St.

GREEN

Charles D. Foley, Principal	178	Highland Ave.
Mary E. Coffey	183	Wilder St.
Mildred F. Colloty	15	Huntington St.
Mary V. Coughlin	87	Bellevue St.
Anna M. Courtney	445	Merrimack St.
Esther G. Donlan	111	Westford St.
Jennie T. Frawley	547	Wilder St.
Katherine Kelly	452	Fletcher St.
Charlotte O. Lowe	2010	Middlesex St.
Ellen F. Lynch	194	School St.
Katherine C. O'Neill	175	Walker St.
Elizabeth C. Provencher	1296	Middlesex St.

GREENHALGE

John H. Gillick, Principal	992 Lakeview Ave.
Lucy L. Desmond	195 Stackpole St.
Catherine T. Gillick	998 Lakeview Ave.
Annie M. Robbins	116 Highland Ave.
Martha Rogers	131 Cumberland Road

ABRAHAM LINCOLN

D. Murray Cummings, Principal	258 Rogers St.
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EVENING VOCATIONAL SCHOOL**MEN'S DEPARTMENT**

Thomas F. Fisher, Director	100 Sanders Ave.
Margaret E. McCann, Clerk	196 Aiken Ave.

Automobile Department

John J. Gildee, Head	112 D St.
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Cabinet Making

John F. Moran	222 Cross St.
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Carpentry

Fred F. Wiggin	Chelmsford, Mass.
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Electricity

Chester W. Macdonald, Head	22 Bellevue St
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Fireman and Stationary Engineer

Daniel J. Callahan	22 Second Ave.
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Machine Department

Maurice A. Butterfield, Head	12 June St.
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Plumbing

John H. McGuinness	682 Broadway St.
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Sheet Metal Draughting

Thomas F. O'Brien	5 West Eleventh St.
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Oiler

Thomas S. Crowley	31 Nineteenth St.
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WOMEN'S DEPARTMENT**Practical Arts**

Esther M. Downing, Head of Women's Dept.	434 Westford St.
Mary E. Haggerty, Clerk	53 A St.

Cooking

Doris Sanborn, Head	260 Mansur St.
Elizabeth Anderson	459 Andover St.
Kathleen Hogan	35 Glenwood St.
Helen King	64 Hanks St.
Katherine King	4 Astor St.
Nano Leahey	248 Rogers St.
Mrs. Sarah Loupret	179 Pine St.
Dorothy McAdams	321 High St.
Cora McGauvran	51 Tenth St.
Sadie Miller	13 Harrison St.
Maybelle Rhodes	325 Stevens St.
Juna Sleeper	53 Stevens St.
Mabelle Sullivan	722 Bridge St.
Marion Swann	94 Beech St.

Dressmaking

M. Eleanor Kivlan, Head	73 Moore St.
Matilda Achin	95 Mt. Washington St.
Caro Allen	476 Varnum Ave.
Annie Boyle	591 Andover St.
Mary Bradley	903 Gorham St.
Agnes R. Burns	220 West Sixth St.
Katherine Burns	79 Andrews St.
Elizabeth Dwyer	77 Mt. Washington St.
Dora Hennessey	19 Maryland Ave.
Mary Hennessey	34 Arlington St.
Laura Landry	39 Arlington St.
Marion Lawler	94 Stromquist Ave.
Katherine MacDonald	407 High St.
Margaret McGurn	110 South Walker St.
Oryna Mongrain	1056 Bridge St.
Ella Mulcahy	4 Wellington Square
Mildred Mulqueeney	18 Olney St.
Mary O'Keefe	36 Alder St.
Isabel Roark	69 Fifth St.
Mary Rourke	22 Abbott St.
Nellie Rourke	205 B St.
Helen Rouse	201 Summer St.
Estelle Roy	19 Mt. Washington St.
Elzina Secord	Majestic Chambers
Dorothy Ward	403 Lincoln St.
Rose Ward	635 Broadway St.

Millinery

Mary H. Mehan, Head	169 Merrimack St.
Annie Daly	205 B St.
Ella Donohoe	4 Hanks St.
Lena Gendron	19 Royal St.
Evelyn Fernandez	104 Appleton St.
Arthemise Hotin	821 Merrimack St.
Katherine Keyes	62 Pine St.
Ella Mellen	46 Holyrood Ave.
Agnes Weston	155 Sixth St.

Decoration

Etta McDermott	North Billerica, Mass.
Beatrice Richards	38 Gershom Ave.

First Aid and Home Nursing

Marietta Dwyer, R. N.	23 Sidney St.
Helen F. O'Rourke, R. N.	154 Shaw St.

Salary Schedule

High School

Head Master	\$4,600
Master	3,500
Sub-Masters	3,400
Junior Masters	3,000
Junior Sub-Masters	2,700

Men Teachers \$1,700 to 2,500

First Year, \$1,700; second year, \$1,830; third year, \$1,960; fourth year, \$2,090; fifth year, \$2,220; sixth year, \$2,350; seventh year, \$2,500; department head, \$100 in excess of schedule.

Women Teachers \$1,400 to 2,000

First year, \$1,400; second year, \$1,500; third year, \$1,600; fourth year, \$1,700; fifth year, \$1,800; sixth year, \$1,900; seventh year, \$2,000; department head, \$100 in excess of schedule.

Junior High Schools

Masters (Maximum reached in seventh year) \$2,170 to \$3,850

Teachers 1,450 to 1,950

First year, \$1,450; second year, \$1,530; third year, \$1,610; fourth year, \$1,690; fifth year, \$1,770; sixth year, \$1,850; seventh year, \$1,950.

Elementary Schools

Masters (Maximum reached in seventh year) \$1,920 to \$3,600

Teachers 1,200 to 1,700

First year, \$1,200; second year, \$1,280; third year, \$1,360; fourth year, \$1,440; fifth year, \$1,520; sixth year, \$1,600; seventh year, \$1,700.

Principals of Primary Schools

Primary Principals, \$150 above elementary schedule.

Principal of a six room primary school \$200 above elementary schedule.

Supervisor of Primary Grades, \$2,500.

Kindergartens

Principals \$1,500

Assistants \$1,200 to \$1,440

First year, \$1,200; second year, \$1,280; third year, \$1,360; fourth year, \$1,440.

Vocational School

Director	\$3,300
Clerk	1,400

Men Teachers \$1,600 to 2,200

First year, \$1,600; second year, \$1,700; third year, \$1,800; fourth year, \$1,900; fifth year, \$2,000; sixth year, \$2,100; seventh year, \$2,200.

Women Teachers \$1,200 to 1,800

First year, \$1,200; second year, \$1,300; third year, \$1,400; fourth year, \$1,500; fifth year, \$1,600; sixth year, \$1,700; seventh year, \$1,800. Those in supervisory position to receive \$100 above schedule.

Continuation School

Director	\$3,100
Clerk	1,400

Men Teachers \$1,600 to 2,200

First year, \$1,600; second year, \$1,700; third year, \$1,800; fourth year, \$1,900; fifth year, \$2,000; sixth year, \$2,100; seventh year, \$2,200.

Women Teachers \$1,300 to 1,850

First year, \$1,300; second year, \$1,400; third year, \$1,500; fourth year, \$1,600; fifth year, \$1,700; sixth year, \$1,800; seventh year, \$1,850.

Teachers in the Vocational and Continuation schools who are entitled to first or second grade certificates are placed on the schedule for teachers in the high school.

Special Teachers

Music	\$1,200 to \$2,500
Drawing	1,400 to 2,000
Sewing	1,200 to 1,700
Manual Training (Maximum reached in fifth year)	1,800 to 2,200

Physical Training

Men Teachers 1,800 to 2,200

Women Teachers 1,200 to 1,700

Penmanship

Part time supervisors in Elementary Schools to receive \$500 per year.

Full time supervisor in Elementary Schools to receive \$200 above elementary schedule.

English (part time supervisor in Elementary Schools)	300
Band	1,000

Temporary Teachers

Temporary Teachers in High Schools, per day	\$6.00
Permanent Substitutes in Elementary Schools, per day	6.00
Kindergarten Substitutes, per day	3.00

Teachers' Certificates

Granted Since January 1, 1927

First Grade

William H. Hornby, Boston College, 1926.....Lowell, Mass.

Second Grade

Mary R. Bagshaw, Trinity College, 1927.....Lowell, Mass.
 Edith M. Donahue, Smith College, 1927.....Lowell, Mass.
 M. Eileen Dwyer, Trinity College, 1927.....Lowell, Mass.
 Marion A. Mullaney, Trinity College, 1927.....Lowell, Mass.
 Alice G. O'Heir, Trinity College, 1925.....Lowell, Mass.
 Elizabeth Torigian, Radcliffe College, 1924.....Lowell, Mass.

Third Grade

Czarina BartlettLowell Normal
 Agnes D. BurnsLowell Normal
 Gladys BrophyLowell Normal
 Elinor CarmichaelLowell Normal
 Katherine M. LesterLowell Normal
 Sarah G. LoupretLowell Normal
 Sarah F. LyonsLowell Normal
 Marion R. MahoneyLowell Normal
 Mary E. MooneyLowell Normal
 Ella J. M. MulliganLowell Normal
 Marie C. ParthenaisLowell Normal
 Mary F. RobinsonLowell Normal
 Florence L. ShanahanLowell Normal
 Grace C. SheehanLowell Normal
 Dorothy I. WhittenLowell Normal

Fourth Grade

Elizabeth H. Foye, Leslie Normal, 1926.....Lowell, Mass.
 Katherine A. Hansbury, Leslie Normal, 1926.....Lowell, Mass.

Authorized Text Books

FOR

High and Elementary Schools

Adopted by the School Committee of Lowell, Mass., June, 1923

HIGH SCHOOL

ENGLISH

Adopted

Rhetoric	Brooks & Hubbard	American Book Co.
Enlarged Practice Book	Hitchcock	Henry Holt & Co.
The Odyssey	Church	The MacMillan Co.
Buehler	Gray	American Book Co.
Tales from Shakespeare	Lamb	Ginn & Co.
Last of the Mohicans	Cooper	D. C. Heath & Co.
House of the Seven Gables	Hawthorne	Houghton, Mifflin & Co.
Twice Told Tales	Hawthorne	Houghton, Mifflin & Co.
Iliad	Pope	Sibley & Ducker
Iliad	Bryant	Houghton, Mifflin & Co.
Silas Marner	Eliot	Ginn & Co.
Julius Caesar	Shakespeare	D. C. Heath & Co.
Merchant of Venice	Shakespeare	Leach, Shewell & Sanborn
Macbeth	Shakespeare	Ginn & Co.
Lady of the Lake	Scott	American Book Co.
Ivanhoe	Scott	American Book Co.
Life of Johnson	Macaulay	Ginn & Co.
Sir Roger De Coverley	Addison & Steele	American Book Co.
L'Allegro and Il Penseroso	Milton	Ginn & Co.
Speech on Conciliation with America	Burke	Houghton, Mifflin & Co.
Idylls of the King	Tennyson	Ginn & Co.
Vision of Sir Launfal	Lowell	Houghton, Mifflin & Co.
Ancient Mariner	Coleridge	The MacMillan Co.
Chaucer to Arnold	George	The MacMillan Co.
Essays of Elia	Lamp	Houghton, Mifflin & Co.
Tales of a Wayside Inn	Longfellow	Houghton, Mifflin & Co.
Grandmother's Story	Holmes	Houghton, Mifflin & Co.

Supplementary

Rhetoric	Shackford-Judson	Sanborn & Co.
Handbook of Composition	Wooley	D. C. Heath & Co.
Exercises in English	Strang	D. C. Heath & Co.
Students' Hist. of Eng. Literature	Simonds	Houghton, Mifflin & Co.
Introduction to Eng. Literature	Pancoast	Henry Holt & Co.
Self-Cultivation in English	Palmer	Houghton, Mifflin & Co.
Life of Goldsmith	Irving	Ginn & Co.
Tales of a Traveler	Irving	Longman's, Green & Co.
Palamon and Arcite	Dryden	Leach, Shewell & Sanborn
Schraab and Rustum	Arnold	Henry Holt & Co.
Prologue to the Canterbury Tales	Chaucer	Houghton, Mifflin & Co.
Essays on Clive and Hastings	Macauley	Ginn & Co.
Washington's Farewell Address	Foster	Houghton, Mifflin & Co.
Autobiography of Benj. Franklin	Emerson	American Book Co.
Selected Essays	Goldsmith	American Book Co.
She Stoops to Conquer	Shakespeare	Houghton, Mifflin & Co.
Twelfth Night	Shakespeare	Houghton, Mifflin & Co.
King Lear	Shakespeare	D. C. Heath & Co.
Coriolanus	Shakespeare	Ginn & Co.
Henry Fifth	Shakespeare	Houghton, Mifflin & Co.
Midsummer Night's Dream	Shakespeare	D. C. Heath & Co.
New Practice Book	Hitchcock	Henry Holt & Co.
High School English	Brubacher & Snyder	Chas. E. Merrill Co.
Business English	Davis & Lingham	Ginn & Co.
Rhetoric	Scott & Denny	Allyn & Bacon
Selections from Lincoln	Beave	Chas. E. Merrill Co.
Life of Johnson	Boswell	D. C. Heath & Co.
Pilgrim's Progress	Bunyan	Ginn & Co.
Birds and Bees	Burroughs	American Book Co.
Tale of Two Cities	Dickens	Houghton, Mifflin & Co.
		D. C. Heath & Co.

American Poems	Gaston	Chas. E. Merrill Co.
Vicar of Wakefield	Goldsmith	American Book Co.
Sketch Book	Irving	Allyn & Bacon
Selected Ballads and Lyrics	Lodge	Houghton, Mifflin & Co.
Leaflets	Lowell	Houghton, Mifflin & Co.
Old Testament Narratives	Nettleton	Houghton, Mifflin & Co.
Odyssey	Palmer	Henry Holt & Co.
Poems and Tales	Poe	Houghton, Mifflin & Co.
Marmion	Scott	Houghton, Mifflin & Co.
Kenilworth	Scott	American Book Co.
Woodstock	Scott	A. L. Burt
Guy Mannering	Scott	Houghton, Mifflin & Co.
As You Like It	Shakespeare	Ginn & Co.
Othello	Shakespeare	Houghton, Mifflin & Co.
Tempest	Shakespeare	American Book Co.
Treasure Island	Stevenson	Houghton, Mifflin & Co.
Princess	Tennyson	D. C. Heath & Co.
Essay on Burns	Carlyle	B. H. Sanborn & Co.
History of the Plague	Defoe	B. H. Sanborn & Co.
Paradise Lost	Milton	Longmans Green C.
Golden Treasury	Palgrave	B. H. Sanborn & Co.
Life of Nelson	Southey	Ginn & Co.
Forum of Democracy	Watkins	Longmans Green C.
Short Stories	Moulton	Allyn & Bacon
Short Stories	Hart & Perry	MacMillan & Co.
Flight of a Tartar Tribe	DeQuincey	Houghton, Mifflin & Co.
		B. H. Sanborn & Co.

FRENCH

Adopted

French Dictionary	Boiello	D. C. Heath & Co.
French Grammar (Complete Course)	Fraser & Squair	D. C. Heath & Co.
French Reader	Super	D. C. Heath & Co.
French Composition	Grandgent	D. C. Heath & Co.
French Syntax and Composition	Bouvet	D. C. Heath & Co.
Contes et Legendes II	Guerber	American Book Co.
Sight Reading	Rogers	American Book Co.

Supplementary

French Grammar, Shorter Course	Fraser & Squair	D. C. Heath & Co.
Grammaire Francaise, Deuxieme Annee	Larive & Fleury	*
Grammaire Francaise	Worman	American Book Co.
French Composition	Blouet	*

For Translation at Sight

Le Beau Pays de France	Spink	Ginn & Co.
Intermediate French	Jaques	Ginn & Co.
Historical French Reader	Weill	American Book Co.
French Newspaper Reader	Weill	American Book Co.
Douze Contes Nouveaux	Fontaine	American Book Co.
La Tache du Petit Pierre	Mairet	American Book Co.
Exercices Francais	Pargmen	MacMillan Co.

For First Year Work

Le Premier Livre	Meras	American Book Co.
La Belle France	Monvert	Allyn & Bacon
Drames et Comedies	Dupres	American Book Co.
Le Tour de la France par Deux Enfants	Bruno	American Book Co.
French Reader	Kuhns	Henry Holt & Co.
Simple French	Francois & Giroux	Henry Holt & Co.

For Second and Third Year Work

Scenes de la Revolution Francaise	Lamartine	D. C. Heath & Co.
Readings from French History	Super	Allyn & Bacon
Le Dix-Septieme Siecle	Duval & Williams	Henry Holt & Co.
Selected Stories	Daudet	American Book Co.
Colomba	Merimee	Ginn & Co.
Les Oberles	Bazin	Henry Holt & Co.
Contes Choisis	Bazin	D. C. Heath & Co.
La Chute	Hugo	D. C. Heath & Co.
French Lyrics	Bowen	D. C. Heath & Co.
Fables	La Fontaine	American Book Co.

Commercial French

La France qui Travaille
La Grammaire
La Poudre aux Yeux
Le Voyage de Monsieur Perrichon
Mademoiselle de la Siegliere
French Word Lists
Essentials of French Pronunciation

Pitman

Jago
Labiche
Labiche & Martin
Labiche & Martin
Sandeau
Carter
Cerf

*Sir Isaac Pitman & Sons,
London

D. C. Heath & Co.
D. C. Heath & Co.
American Book Co.
Ginn & Co.
American Book Co.
Henry Holt & Co.
Henry Holt & Co.

These marked * are imported books and are obtained through Shoenhof of Boston.

GERMAN

Adopted

German Dictionary
Prose Composition
German Lessons
German Compositions
Wilhelm Tell
Immensee

Heath
Harris
Harris
Wesselhoeft
Schiller
Storm

D. C. Heath & Co.
D. C. Heath & Co.
D. C. Heath & Co.
D. C. Heath & Co.
D. C. Heath & Co.
D. C. Heath & Co.

Supplementary

Words of Frequent Occurrence
Zerbrochener Krug
Composition
Der Neffe als Onkel
L'Arrabbiata
Zwischen Himmel und Erde
Das Edle Blut
Der Schwiegersonn
Der Stumme Ratcherr
Composition
Das Spiehnannskind

Bierwirth
Zschokke
Fasnacht
Schiller
Heyse
Ludwig
Wildenbruch
Baumbach
Riehl
Pope
Riehl

Henry Holt & Co.
D. C. Heath & Co.
The MacMillan Co.
D. C. Heath & Co.
American Book Co.
D. C. Heath & Co.
Henry Holt & Co.
Henry Holt & Co.
D. C. Heath & Co.
Henry Holt & Co.
D. C. Heath & Co.

MATHEMATICS

Adopted

Plane Geometry
Secondary Algebra
Essentials of Algebra
Elementary Algebra
Trigonometry
Elementary Algebra
Plane Geometry
Solid Geometry
Plane Geometry

Wentworth & Smith
Wells
Wells
Wentworth
Wentworth
Wells
Wentworth & Smith
Wentworth & Smith
Wentworth

Ginn & Co.
D. C. Heath & Co.
D. C. Heath & Co.
Ginn & Co.
Ginn & Co.
Ginn & Co.
Ginn & Co.
Ginn & Co.
Ginn & Co.

Supplementary

Plane Geometry
McCurdy Exercises
Essentials of Plane Geometry
Essentials of Solid Geometry
First Course in Algebra
Exercises in Algebra
Review of Algebra
Algebra Exercises
Plane Geometry (Reviews)
Exercises in Alg. and Geom.

Schultz & Sevenoak
McCurdy
Wells
Wells
Wells
McCurdy
Rivenburg
Robbins
MacGibbon
Hale

The MacMillan Co.
D. C. Heath Co.
D. C. Heath Co.
D. C. Heath Co.
Ginn & Co.
Sibley
Heath

GREEK

Adopted

First Greek Book
Xenophon's Anabassi
Greek Grammar
Greek-English Lexicon
Odyssey, Books I-VI
Greek Prose Composition

White
Goodwin & White
Goodwin
Liddell & Scott
Perrin & Seymour
Pearson

Ginn & Co.
Ginn & Co.
Ginn & Co.
American Book Co.
Ginn & Co.
American Book Co.

Supplementary

Xenophon's Hellenica, I-IV
Iliad, Books I-VI
Herodotus, Vol. II

Manat
Seymour
Dietsch

Ginn & Co.
Ginn & Co.
Teubner Edition, Leipsic,
Germany

LATIN**Adopted**

Latin Grammar	Allen & Greenough	Ginn & Co.
Cicero	Allen & Greenough	Ginn & Co.
Virgil	Allen & Kittredge	Ginn & Co.
Latin Prose Composition	Daniel-Brown	B. H. Sanborn & Co.
New Method of Caesar	Potter	B. H. Sanborn & Co.

Supplementary

Supplementary	
Cicero Texts	American Book Co.
Virgil Texts	American Book Co.
Caesar Texts	American Book Co.
Sallust Texts	American Book Co.
First Book in Latin	Inglis & PrettymanThe MacMillan Co.
Caesar	Allen & GreenoughGinn & Co.
Ovid	Allen & GreenoughGinn & Co.
Nepos	Barss MacMillan Co.
Latin Composition	Baker & Inglis American Book Co.
A Year in Latin	W.A.Montgomery Row, Peterson & Co.

COMMERCIAL**Adopted**

Modern Illustrative Bookkeeping	Williams & Rogers	American Book Co.
Seventy Lessons in Spelling	Williams & Rogers	American Book Co.
Modern Business Penmanship	Mills	American Book Co.
Commercial Law	Gano	American Book Co.
Commercial Arithmetic	Moore	American Book Co.
Mental Arithmetic	Thurston	American Book Co.
Mental Arithmetic	Thompson	American Book Co.
Commercial Geography	Adams	D. Appleton Co.
Gregg Shorthand		Gregg Publishing Co.
Rational Typewriting		Gregg Publishing Co.

Supplementary

Com. and Industrial Geography	Keller & Bishop	Ginn & Co.
Words		Gregg Publishing Co.
Zaner Method Manual		Zaner & Blosor Co.
Speed Studies		Gregg Publishing Co.
Graded Readings in Gregg Shorthand		Gregg Publishing Co.
Progressive Exercises		Gregg Publishing Co.
Practical Drills in Shorthand		Gregg Publishing Co.
Penmanship		
Advance Practice in Gregg Shorthand		Gregg Publishing Co.

SPANISH

SPANISH		American Book Co.
Worman's First Spanish Book		American Book Co.
Worman's Second Spanish Book		American Book Co.
Elementary Spanish Grammar	Espinosa & Allin	American Book Co.
Lecturas Faciles	Wilkins	Silver, Burrett & Co.
Poco a Poco	Hall	World Book Co.
Spanish Tales for Beginners	Hills	Henry Holt Co.
Cuentos Modernos	Johnson	American Book Co.
Spanish Dictionary	Appleton	Appleton Pub. Co.

HISTORY**Adopted**

History of the United States	Fiske	Houghton, Mifflin & Co.
Brief History of the United States	McMaster	American Book Co.
Short History of Ancient Times	Myers	Ginn & Co.
History of the Ancient World	Botsford	The MacMillan Co.
Roman History	Morey	American Book Co.
Leading Facts of English History	Montgomery	Ginn & Co.
Ireland's Story	Johnston & Spencer	Houghton, Mifflin & Co.

Supplementary

American History	Muzzey	Ginn & Co.
History of the United States	Adams & Trent	Allyn & Bacon
The Ancient World	West	Allyn & Bacon
A History of Greek Art	Tarbell	MacMillan Co.
Greek Literature	Jebb	American Book Co.

A Short History of England	Andrews	Allyn & Bacon
History of the American Nation	McLaughlin	Appleton
Short History of the U. S.	McLaughlin	Appleton
Readings in History of the Nation	Bassett	MacMillan Co.
Gov't of N. E. States	Batler	Scribner
Manual of the Constitution	Andrew	American Book Co.
Civil Government	Martin	American Book Co.
New Civics	Ashley	MacMillan Co.
A Short History of England	Andrews	Allyn & Bacon
Ancient History	Webster	D. C. Heath Co.
Greek Leaders	Hopkinson	Houghton, Mifflin & Co.

CHEMISTRY, PHYSICS AND OTHER SCIENCES

Adopted		
Descriptive Chemistry	Newell	D. C. Heath Co.
Qualitative Analysis	Irish	American Book Co.
A Text Book of Physics	Gray	Henry Holt & Co.
First Principles of Physics	Leavitt	Allyn & Bacon
Field, Forest and Garden Botany	Coulter	American Book Co.
Outlines of Botany	Hall & Bergen	American Book Co.
Plant Studies	Carhart & Chute	D. Appleton & Co.
Plant Studies	Meier	Ginn & Co.
Practical Physiology	Blaisdell	Ginn & Co.
Human Body	Martin	Henry Holt & Co.
Lessons in Astronomy	Young	Ginn & Co.
Text Book of Geology	Brigham	D. Appleton & Co.
Applied Physics	Hawkins	Longmans, Green & Co.
Advanced Physiology and Hygiene	Conn & Budington	Silver, Burdett & Co.
General Chemistry	Newell	D. C. Heath & Co.
Practical Physics	Black & Davis	MacMillan Co.

ELEMENTARY SCHOOLS

Adopted June, 1923

Algebra		
Wentworth's First Steps		Ginn & Co.
Arithmetic		
Morey Elementary Part I		Scribner's Sons
Morey Elementary Part II		Scribner's Sons
Morey Advanced		Scribner's Sons
Werner Mental		American Book Co.
Dictionaries		
Worcester Primary		J. B. Lippincott Co.
Worcester Comprehensive		J. B. Lippincott Co.
Geographies		
Frye's First Step in Geography		Ginn & Co.
Frye's Leading Facts of Geography, Part I		Ginn & Co.
Frye's Leading Facts of Geography, Part II		Ginn & Co.
Frye's Grammar School Geography		Ginn & Co.
Tarr & McMurry Geography, Book I		The MacMillan Co.
Tarr & McMurry Geography, Book II		The MacMillan Co.
Tarr & McMurry Geography, Book I, Part I		The MacMillan Co.
Tarr & McMurry, Book I, Part II		The MacMillan Co.
Tarr & McMurry Geography, Book II, Part I		The MacMillan Co.
Tarr & McMurry Geography, Book II, Part II		The MacMillan Co.
Geographical Readers		
Carpenter's Africa		American Book Co.
Carpenter's Asia		American Book Co.
Carpenter's Australia		American Book Co.
Carpenter's Europe		American Book Co.
Carpenter's North America		American Book Co.
Carpenter's South America		American Book Co.
Winslow's The Earth and Its People		D. C. Heath & Co.
Winslow's The United States		D. C. Heath & Co.
Winslow's Our American Neighbors		D. C. Heath & Co.
Winslow's Europe		D. C. Heath & Co.
Winslow's Distant Countries		D. C. Heath & Co.

McDonald & Dalrymple's Little People Everywhere:

Betty in Canada	Little, Brown & Co.
Manuel in Mexico	Little, Brown & Co.
Ume Sam in Japan	Little, Brown & Co.
Rafael in Italy	Little, Brown & Co.
Kathleen in Ireland	Little, Brown & Co.
Fritz in Germany	Little, Brown & Co.
Gerda in Sweden	Little, Brown & Co.
Boris in Russia	Little, Brown & Co.
Donald in Scotland	Little, Brown & Co.
Martha in Holland	Little, Brown & Co.
Hassan in Egypt	Little, Brown & Co.
Josefa in Spain	Little, Brown & Co.

Histories

Gordy's American	Scribner's Sons
Montgomery's Leading Facts	Ginn & Co.
Scudder's American	American Book Co.
Dickson's American	The MacMillan Co.
Tappan's Our Country's Story	Houghton, Mifflin & Co.
Tappan's England's Story	Houghton, Mifflin & Co.
Davis' History of the U. S. for Youngest Readers	Ed. Pub. Co.
Wilson's Readers	The MacMillan Co.

Historical Readers

Guerber's Story of the English	American Book Co.
Guerber's Stories of the Greeks	American Book Co.

Language and Grammar

Mother Tongue, Books I and II	Ginn & Co.
Metcalf & Rafter Series, Books I and II	American Book Co.
Aldine Language	Newson & Co.

Music Readers

Harmonic Series	American Book Co.
Johnson's Songs of the Nation (Sets of 50)	Silver, Burdett & Co.

Spellers

Chancellor's Graded Story	The MacMillan Co.
Reed's Word Lessons	C. E. Merrill Co.

Physiology

Gulick Series, Good Health	Ginn & Co.
Gulick Series, Emergencies	Ginn & Co.
Gulick Series, Town and City	Ginn & Co.
Gulick Series, Body at Work	Ginn & Co.
Gulick Series, Control of the Body and Mind	Ginn & Co.

Readers

The Aldine Series	Newson & Co.
Baker & Carpenter	The MacMillan Co.
Cyr	Ginn & Co.
Gordon	D. C. Heath & Co.
Jones	Ginn & Co.
Art Literature	Atkinson, Mentzer Co.
Howe	Scribner's Sons
Wheeler	W. H. Wheeler & Co.
Williams Choice Literature	American Book Co.
The Hiawatha Primer	Houghton, Mifflin Co.
The Wide Awake Series	Little, Brown & Co.
Child Life Series	The MacMillan Co.
Heath	D. C. Heath & Co.
The Riverside Readers	Houghton, Mifflin Co.
Free & Treadwell's Reading Literature, I and II	Row, Peterson & Co.
The Haliburton Readers, I and II	D. C. Heath & Co.
Progressive Road to Reading, I and II	Silver, Burdett & Co.
(1) Blaisdell's Boy Blue and His Family	Little, Brown & Co.
(2) Blaisdell's Polly and Dolly	Little, Brown & Co.
(3) Blaisdell's Cherry Tree Children	Little, Brown & Co.
(4) Bingham's Merry Animal Tales	Little, Brown & Co.
(5) Bryce's Fables from Aesop	Newson & Co.
(6) Bryce's That's Why Stories	Newson & Co.
(8) Smith's Four Footed Friends	Newson & Co.

The eight books numbered above are to be furnished for first, second and third grades in sets of not more than twenty-five.

General Literature

Sewell's Black Beauty	Ed. Pub. Co.
Defoe's Robinson Crusoe	American Book Co.
Masterpieces of American Literature	Houghton, Mifflin & Co.
Hawthorn's Wonder Book	Houghton, Mifflin & Co.
Scudder's Fables and Folk Stories	Houghton, Mifflin & Co.
Hale's A Man Without a Country (Sets of 50)	American Book Co.
Brook's Story of the Old Bay State (Set of 4), Grade 9	
Coe's Founders of Our Country (Set of 4), Grade 5	Houghton, Mifflin & Co.
Lucia's Story of American Discoverers for Little Americans (Set of 4), Grade 4	Houghton, Mifflin & Co.
Stevenson's Children's Classics (Set of 10):	
Book I for Grade 3	Houghton, Mifflin & Co.
Book II for Grade 4	Houghton, Mifflin & Co.

Desk Books For Teachers

Hart's Source Readers in American History	The MacMillan Co.
Page's American Poets	Houghton, Mifflin & Co.
Hazard's Three Years with the Poets	Houghton, Mifflin & Co.
Ashley's Government and Citizen	Ginn & Co.
Johnson's Ireland's Story	Houghton, Mifflin & Co.

Writing

Gilman Syetem	Dutton & Co.
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TEXT BOOKS ADDED TO THE LIST

1914

Standard Reference Work.
Funk and Wagnalls Dictionaries.

1915

O'Shea & Kellog Heath Series, published by MacMillan Co.
Business English by Davis & Lingham, published by Ginn & Co.
Office Training for Stenographers—Gregg.
Standard Dictionary of Facts.

1916

* Williams & Rogers, Beldings Correspondence—American Book Co.
Young & Fields's Readers—MacMillan Co.
Golden Rule Series—MacMillan Co.
Story Hour Readers—American Book Co.
See and Say Phonics—Iroquois Pub. Co.
Brigham & McFarlane, Essentials of Geography—American Book Co.

1917

Oral and Written English by Potter, Jesckle and Gillett, published by Ginn & Co.
To take the place of Mother Tongue.
Emerson and Bender. Grammar for optional use in ninth grades.
Spellers—Mastery of words, Sarah Louise Arnold, published by Iroquois Publishing Co.
These spellers to replace, as spellers are needed the Reed and the Chancellor
spellers which are now in use.
Readers: Everyday Classics by Baker and Thorndike, published by MacMillan Co.
The Merrill Readers by Dyer and Brady, published by Chas. E. Merrill Co.
The Elson Readers, by Elson Keek, published by Scott, Foresman & Co.
The Lippincott Readers, by Homer P. Lewis, published by J. B. Lippincott Co.
The Twin Series, by Lucy Fitch Perkins, published by Houghton, Mifflin Co.
Bunny Rabbit's Diary by Blaisdell, published by Little, Brown & Co.

1917

Pretty Polly Flinders by Blaisdell, published by Little, Brown & Co.
Old Mother West Wind by Burgess, published by Little, Brown & Co.
For the Desk:

Arlo by Cobb, published by the Riverside Press.
For the Children's Hour, by Bailey, published by Milton, Bradley Co.
Keep Well Stories by Jones, published by J. P. Lippincott Co.
Wonderland Stories by Lewis, published by J. P. Lippincott Co.
The Travels of Birds by Chapman, published by D. Appleton & Co.

1918

Hart's School History of the United States.
Powell's The Spirit of Democracy.
Watkin's The Forum of Democracy.
Brubacker & Snyder—High School English, Book I.

1919

Practical English, by Lewis and Harris.
 Prose Literature, by Ashman.
 The Deserted Village, Eclectic Edition.
 Quentin Durward. Pocket Classics Edition.
 Oregon Trail, by Parkman, MacMillan Co.
 Inland Voyage and Travels with a Donkey. Eclectic Edition.
 Essays and Essay Writing. The Atlantic Monthly.
 Henry Esmond, Pocket Classics Edition.
 Crawford, Pocket Classics Edition.
 Two Years Before the Mast. Pocket Classics Edition.
 Pride and Prejudice. Pocket Classics Edition.
 Mill on the Floss. Pocket Classics Edition.
 The Rivals and The School for Scandal. Pocket Classics Edition.
 The Virginians, Thackeray—MacMillan Co.
 First Principals of Chemistry (Revised Edition)—Allyn & Bacon.

1920

Brief Business Arithmetic, by Sutton and Lenner—Allyn & Bacon.
 Durell and Arnold's Algebra—Chas. E. Merrill Co.
 Fites' History—Henry Holt & Co.
 Asheley's New Civics—MacMillan Co.

1921

Grammaire Elementaire, by Armand—D. C. Heath & Co.
 Mes Premiers Pas en Francais, Chapuzet and Daniels—D. C. Heath & Co.
 Durell and Arnold's Algebra—Chas. E. Merrill & Co.
 Ward's Sentence and Theme—Scott Foresman & Co.
 Hitchcock's Junior English Book—Henry Holt & Co.

1922

Le Beau Pays de France, Spink—Ginn & Co.
 Sentences and Thinking, Forester—Houghton, Mifflin & Co.
 Practical Exercises in English, Buehler—Harper Bros.
 Spelling Review, Lester—John A. Lester Co.
 Practice Work in English, Knight—Longmans, Green & Co.
 Modern European History, Webster—D. C. Heath & Co.
 Business Penmanship, Mills—American Book Co.
 Questions and Problems in Chemistry—Harcourt, Brace & Co.
 School and Home Cooking, Greer—Allyn & Bacon.
 Foods and Household Management, Kinne & Cooley—MacMillan Co.
 Shelter and Clothing, Kinne & Cooley—MacMillan Co.
 Textiles and Clothing, McGowan & Waite—MacMillan Co.
 Dietetics for High Schools, Willard & Gillett—MacMillan Co.
 Bookkeeping and Accounting, McKinsey—Southwestern Pub. Co.
 Business Organization and Administration, DeHaas—Gregg Pub. Co.
 Science and Art of Selling, Knox—Knox Pub. Co.
 Retail Selling, Norton—Ginn & Co.
 Reporting Shortcuts, Gregg—Gregg Pub. Co.
 Advanced Dictation and Secretarial Training, Reigner—H. M. Rowe Co.
 Budget of Forms to Accompany Advanced Dictation and Secretarial Training, Reigner—H. M. Rowe Co.
 Classified Dictation Drills, Reigner—H. M. Rowe Co. (desk book)
 Shorthand Championship Dictation—Gregg Pub. Co. (desk book)
 Business Mathematics, Edgerton—Ronald Press.
 Word and Sentence Drills for Gregg Shorthand, Market—Gregg Pub. Co.
 Business Speller, Eldridge—American Book Co.
 Business Spelling Book, Mayne—Longmans, Green & Co.
 The Business Man's English, Bartholomew & Hurlbut—MacMillan Co.
 Economic Civics, Hughes—Allyn & Bacon.
 Exercise Book in Commercial Geography, Finley—Atkinson, Mentzer Co.
 Stories of the Day's Work, Davis & Getchell—Ginn & Co.
 The Psychology of Advertising, Knox—Knox Pub. Co.
 History of the United States, Thwaites & Kendall—Houghton, Mifflin & Co.
 Human Geography, Smith—John C. Winston Co.
 Advanced Geography, McMurry & Parkins—MacMillan Co.
 Bolenius Readers—Houghton, Mifflin Co.
 The Silent Readers, Lewis & Roland—John C. Winston Co.
 Home Life Around the World, Myrick—Houghton, Mifflin Co.
 The New Barnes Readers—Laidlaw Pub. Co.
 Junior High School Literature, Elson-Keck—Scott Foresman Co.
 The Making of Our Country, Smith Burnham—John C. Winston Co.
 History of Lowell—Cowley, Lee & Shepard.
 Practical Business Arithmetic, Kiggen—MacMillan Co.
 Six Correspondencia Commercial, Lauria—Silver, Burdett & Co.

1923

Halleck's History of Our Country.
The Smith-Burnham History.
The Bourne and Benton History.
Gordy's Stories of Early American History.
Gordy's Stories of Later American History.
Chapin and Arnold—English.
Manual for the Bolenius Readers.
Hill's Community Civics.
Good Writing.
Modern American and British Poets.
Hessler's First Year of Science.

1924

Modern English.
New Series Geography.
Boys and Girls of Wakeuptown.
Journeys to Healthland.
Winston Companion Readers.
Clear Type Readers.
First French Book.
Magee Readers.
First Year Latin Book.
History Stories of Other Lands.
Elementary English.
Cotton.
Jorli.
The Story Key to Geographic Names.
Vital English.
Junior Business Training.
American Government in 1921.
Elementary General Science.
Introductory Physics.

1925

Chemistry in Everyday Life.
Short Stories for English Courses.
Modern Short Stories.
Short Stories.
Introduction to Literature.
Fifty Plans for Fifty Themes.
Precis Writing for American Schools.
Advanced Exercises in English.
Essentials of Economics.
Literature and Living.
Americans All.
Minimum Essentials of Correct Writing.
Speaking and Writing English.
King Arthur and His Knights.
Candlelight Stories.
Horn Ashbaugh Speller (experimental use).
New Merrill Speller (experimental use).
Tidyman Speller (experimental use).
English for Immediate Use with Drill in Essentials.
Modern Business Geography.
Schorling & Clark Arithmetic (experimental use).
Stone Arithmetic (experimental use).
Woodburn & Moran History (upper grades).
Mace's History (6th grade).
American History Story Book.
Famous American's (5th grade).
Choosing and Occupation.
Studies in Grammar.
Lincoln Library (reference).
Hollis Dann Junior Song Book (supplementary).
Milne-Downey Standard Algebra.

Readers:

Bobb's Merrill.
Story Reader.
Child's Library Reader.
Stone's Silent Reader.
Pathway to Reading.

1926

Andrew's History of the U. S.—Scribner.

1927

Elementary

Selfhelps in English — Wohlfarth & Mahoney.
Atlantic Readers.
Individual Progress Readers.

High School

Outlines of American Literature.
Drums of Morning.
Yesterday and Today.
A First Year of Latin — Jenner-Grant.
Julia.
Second Latin Book — By Ullman & Henry.
Advanced Exercises in English — By Davis.
Precis Writing — Thurber.
Short Stories — By Schweikert.
Short Stories — By Law.
Science of Plant Life — Transeau.
Elements of Business Law — By Huffcutt.
Precise de la Literature Francaise — Bedaire.
Jean Valjean — de Sauze.
Pecheur d'Irlande — Loti.
Practical Chemistry — By Black & Conant.
Elementary Physics — Milliken: Gale: Pyle.
Huxley's Autobiography.
The Covered Wagon — Hough.
Seats of the Mighty — Parker.
Modern Great Americans — Law.
Hugh Wynne — Mitchel.
Modern Biography — Hyde.
This Singing World — Untermyer.
Recent Poetry — French.
Modern Verse — Forbes.
A Bent Twig — Fisher.
The Carolinian — Sabatini.
Adrift on an Ice Pan — Grenfell.
Readings in Science — Lester.
The Pathfinder — Cooper.
David Copperfield — Dickens.
Three Musketeers — Dumas.
Essays Old and New — Chamberlain.
Heart of Midlothian — Scott.
Vanity Fair — Thackeray.

SUMMARY OF THE ANNUAL RETURNS OF THE PUBLIC SCHOOLS OF THE CITY OF LOWELL, FOR THE YEAR ENDING JUNE 30, 1927, WITH NUMBER OF PUPILS BELONGING, DECEMBER, 1927

SCHOOL	LOCATION	Whole No. Enrolled		No. of Pupils Belonging Dec. 1927		Whole No. Pupils on Registers Since Sept. 1, 1926		Average No. Belonging to School		Average Daily Attendance		No. any other public school	No. rec'd from other public schools of lower grades	No. rec'd from other public schools of same grade	No. sent to other public schools of higher grade	No. sent to other public schools of same grade	Per cent. of attendance	No. of class-rooms in regular use	No. of seats or sittings in these rooms						
		Males	Females	Total	Males	Females	Total	Males	Females	Total	Males									Females					
High	Kirk and Anne Sts.	1310	1341	2651	1077	1260	2337	1310	1341	2651	1183	1204	2387	1127	1142	2269	208	185	380	57	95	0	79	14299	
Junior High																									
Bartlett	Wannalancit St.	301	350	651	312	286	598	311	357	668	283	312	595	271	297	568	70	150	19	150	28	95	5	19	680
Butler	Gorham St.	269	253	522	234	220	454	269	235	524	248	223	471	234	219	453	5	27	27	150	32	96	0	14	638
Noody	Rogers and High St.	85	79	164	74	89	163	83	93	176	63	87	150	60	84	144	10	6	6	50	96	0	5	250	
Morey	Pine and Wilder St.	409	469	878	412	443	855	419	472	891	389	446	835	366	420	786	13	207	42	209	43	94	1	21	910
Varnum	Myrtle and Beech St.	203	221	429	204	217	421	211	223	434	192	202	394	183	194	377	22	101	11	110	12	95	7	14	645
Total		1272	1372	2644	1236	1255	2491	1293	1400	2693	1175	1270	2445	1114	1214	2328	120	458	105	519	115	95	4	73	3123
Grammar																									
Bartlett	Wannalancit St.	154	139	293	139	145	284	163	145	308	136	120	256	129	114	243	27	34	23	150	44	94	9	7	340
Butler	Gorham St.	131	134	265	115	111	226	138	134	272	121	129	250	119	116	235	7	24	24	35	13	94	0	6	304
Colburn	Lawrence St.	124	120	244	128	120	248	132	123	255	118	101	219	113	98	211	6	107	11	62	34	96	3	7	344
Edson	Highland and South St.	184	163	347	172	138	310	209	178	387	179	159	338	173	152	325	12	107	38	74	34	96	1	9	382
Green	Merrimack St.	225	193	418	225	217	442	244	222	466	199	182	381	190	178	368	93	78	21	65	16	96	5	13	504
Greenhalge	Ennell St.	224	216	440	194	216	411	265	256	521	208	223	431	208	182	390	14	91	30	65	35	90	5	12	544
Lincoln	Chelmsford St.	243	215	458	231	184	415	261	229	490	230	198	428	215	186	401	18	102	34	152	35	93	6	13	580
Moody	Rogers and High St.	122	88	210	104	110	214	134	100	234	114	82	196	107	77	184	10	58	15	11	194	5	11	450	
Morey	Pine and Wilder St.	231	197	428	202	199	401	238	206	444	217	191	408	210	178	388	13	99	48	98	23	95	2	10	570
Pawtucket	Mammoth Road	217	228	445	194	210	404	220	225	445	192	201	393	182	192	374	27	93	52	98	23	95	2	10	570
Riverside	Woburn St.	78	87	165	85	74	159	78	87	165	71	76	147	68	70	138	9	23	5	16	5	93	4	5	219
Varnum	Myrtle and Beech St.	125	112	237	107	92	199	134	120	254	109	106	215	104	100	204	25	70	18	45	12	94	9	6	268
Washington	Avery and Lang St.	73	107	180	103	130	233	76	107	183	68	101	169	67	97	164	10	4	4	45	12	95	1	5	215
Total		2131	1999	4130	1999	1946	3945	2312	2132	4444	1962	1869	3831	1885	1740	3625	251	827	323	549	303	94	6	109	4980

SUMMARY OF THE ANNUAL RETURNS OF THE PUBLIC SCHOOLS (Continued)

Primary	23	22	45	27	19	46	24	22	46	20	19	39	18	18	36	4	10	4	9	6	91	9	1	45	
Agawam St.	51	46	97	52	48	100	56	55	111	47	46	93	46	44	90	25	6	28	26	96	7	4	170		
Ames St.	119	147	266	105	103	208	125	151	276	107	123	230	100	114	214	46	2	36	33	93	0	6	238		
Bartlett	69	60	129	56	54	110	77	77	154	62	58	120	59	53	112	29	25	28	17	93	3	4	200		
Cabot St.	49	33	82	40	32	72	55	36	91	43	30	73	39	29	68	22	22	30	12	93	0	3	140		
Carter St.	63	59	122	54	60	114	77	80	157	61	54	115	57	51	108	22	23	30	14	94	0	3	156		
Central St.	64	54	118	43	49	92	65	54	119	54	47	101	50	46	96	30	19	28	17	95	0	3	120		
Charles St.	6	6	12	6	7	13	6	6	12	6	6	12	5	6	11	12	16	26	34	16	96	4	1	216	
Sight Saving	64	60	124	59	63	122	78	72	150	64	61	125	64	56	120	32	16	46	25	12	93	4	6	181	
Colburn	48	44	92	70	60	130	78	64	142	46	44	90	43	41	84	32	9	1	22	92	3	3	153		
Cross St.	65	66	131	56	73	129	67	70	137	56	60	116	52	55	107	97	22	23	26	94	3	4	209		
Dover St.	77	55	132	64	53	117	88	66	154	71	52	123	68	48	116	42	21	22	28	13	92	9	3	137	
Eliot	50	44	94	46	48	94	53	53	106	42	42	84	39	39	78	23	12	28	13	92	1	3	108		
Franklin	55	48	103	47	51	98	69	55	124	46	43	89	42	39	81	26	16	22	37	13	91	1	3	137	
Grand St.	116	100	216	97	106	203	129	117	246	111	97	208	104	89	193	67	22	19	61	33	92	7	6	301	
Greenhalge	81	65	146	51	43	94	55	62	117	52	54	106	49	52	101	16	16	4	27	7	95	1	3	160	
Kirk St.	54	59	113	43	43	94	55	62	117	52	54	106	49	52	101	16	16	4	27	7	95	1	3	160	
Lakeview Ave.	119	123	242	127	105	232	136	130	266	114	109	223	104	99	203	65	42	34	49	39	89	3	5	280	
Laura E. Lee	22	21	43	24	18	42	23	22	45	19	19	38	18	19	37	19	37	12	15	94	0	1	42		
Lincoln	43	72	115	40	49	89	49	76	125	40	67	107	37	64	101	33	1	14	29	8	94	3	3	158	
London St.	46	46	92	39	53	92	52	54	106	43	46	89	40	44	84	21	12	12	24	29	8	94	3	3	158
Central and Autumn St.	46	46	92	39	53	92	52	54	106	43	46	89	40	44	84	21	12	12	24	29	8	94	3	3	158
Central and Lyon St.	25	17	42	26	15	41	27	17	44	24	16	40	22	15	37	1	32	32	2	92	5	1	45		
Pine and Wilder St.	109	106	215	71	80	151	113	116	229	98	101	199	92	93	185	172	22	35	68	94	6	4	180		
Common St.	142	133	275	140	113	253	142	133	275	120	123	243	118	107	225	32	36	27	44	21	90	7	3	168	
Mammoth Road	70	80	150	69	66	135	67	83	150	63	67	130	57	61	118	22	15	24	38	18	92	5	4	199	
Pine St.	46	84	148	68	63	131	68	91	159	61	75	136	54	74	128	27	15	24	38	18	92	5	4	199	
Pond and High St.	46	54	100	34	53	87	47	60	107	38	47	85	35	43	78	29	8	11	31	16	90	8	2	105	
Pond St.	46	54	100	34	53	87	47	60	107	38	47	85	35	43	78	29	8	11	31	16	90	8	2	105	
Powell St.	47	23	70	38	31	69	50	23	73	44	22	66	40	19	59	23	1	6	33	1	89	4	2	85	
Riverside	53	58	111	58	54	112	58	60	118	50	50	100	43	45	88	111	1	6	33	1	89	4	2	85	
Sycamore St.	113	111	224	93	89	182	116	117	233	101	101	202	94	93	187	59	17	15	69	19	92	7	5	241	
Tenth St.	47	57	107	224	115	94	209	125	109	234	117	97	214	108	90	198	25	10	18	30	92	8	6	232	
Avery and Lang St.	48	54	102	39	39	78	50	56	106	41	47	88	37	44	81	50	4	26	10	91	9	2	105		
Washington	69	69	138	52	61	113	76	75	151	64	64	128	64	61	125	60	6	14	24	23	96	3	3	217	
Weed St.	68	68	136	58	56	114	68	68	136	62	64	122	60	55	115	123	13	13	24	23	96	3	3	153	
West Sixth St.	2255	2194	4449	1964	1908	3872	2450	2395	4845	2049	2000	4049	1918	1858	3776	1322	354	637	865	595	93	0	117	5466	
Worthen St.	2255	2194	4449	1964	1908	3872	2450	2395	4845	2049	2000	4049	1918	1858	3776	1322	354	637	865	595	93	0	117	5466	
Total	2255	2194	4449	1964	1908	3872	2450	2395	4845	2049	2000	4049	1918	1858	3776	1322	354	637	865	595	93	0	117	5466	

SUMMARY OF THE ANNUAL RETURNS OF THE PUBLIC SCHOOLS (Continued)

Mixed Middlesex Village Lexington Ave.	101 47	79 50	180 97	96 42	69 29	165 71	101 47	79 50	180 97	88 44	73 32	161 76	82 40	67 34	149 74	23 19	13 1	23 92 3 16 97 3	4 2	176 81
Total.....	148	129	277	138	98	236	148	129	277	132	105	237	122	101	223	42	20	39 94 8	6	257
Kindergarten																				
Agawam	14	16	30	12	12	24	17	18	35	12	13	25	12	9	21	30	5	5 86 7	1	26
In Bartlett School	18	30	48	16	14	30	20	31	51	17	21	38	15	18	33	48	3	2 85 9	1	42
Central St.	27	27	54	22	17	26	28	28	57	16	19	35	13	16	29	54	2	2 81 7	1	46
Charles St.	27	27	54	22	17	26	28	28	57	21	20	41	18	16	34	55	2	2 82 9	1	41
Dover St.	21	26	47	14	15	29	21	25	47	14	22	35	11	18	29	45	2	2 80 5	1	45
Franklin	20	21	41	9	12	21	20	21	41	14	17	31	13	14	27	38	3	2 87 0	1	34
Greenhalge	19	30	49	19	30	49												2 87 0	1	45
In Howard St. Annex	20	29	49	11	19	30	20	29	49	13	20	33	10	16	26	47	1	2 78 7	1	46
Lakeview Ave.	29	28	57	16	10	26	29	28	57	19	22	41	17	19	36	56	3	3 88 1	1	45
Laura E. Lee	28	30	58	30	27	57	30	31	61	23	24	47	20	21	41	58	3	3 88 1	1	50
Middlesex Village	17	14	31	16	16	32	17	14	31	14	9	23	12	7	19	31	1	5 81 6	1	24
Moody	14	17	31	9	9	18	15	17	32	10	12	22	8	10	18	31	1	1 82 5	1	28
Morrill	29	25	54	26	26	52	29	25	54	22	19	41	21	17	38	54	1	1 92 3	1	46
Pawtucket	41	31	72	20	33	58	41	31	72	34	22	56	29	20	49	72	3	8 7 5	1	56
Pine St.	23	20	43	24	25	49	23	20	43	19	17	36	16	14	30	43	1	8 4 1	1	47
Sycamore St.	17	18	35	21	6	26	19	18	37	16	14	30	13	11	24	35	1	80 0	1	36
Varnum	36	31	67	20	21	41	36	31	67	28	24	52	24	20	44	65	2	3 84 6	1	54
Washington	28	26	54	16	20	36	28	28	56	24	24	48	21	20	41	46	2	1 82 9	1	45
Weed St.	16	14	30	16	9	25	16	14	30	14	12	26	12	12	22	30	26	1 79 6	1	38
Total.....	425	431	856	326	342	668	436	440	876	330	331	661	285	276	561	838	27	28 84 1	19	794
Vocational Summary																				
Broadway and High Sch. An.	237	91	328	204	77	281	254	100	354	181	75	256	170	67	237	72	104	91 6	20	79
High School	1310	1341	2651	1077	1260	2337	1310	1341	2651	1183	1204	2387	1127	1142	2269	208	185	57 95 0	79	14299
Junior High Schools	1272	1372	2644	1236	1255	2491	1293	1490	2593	1175	1270	2445	1114	1214	2328	120	458	115 95 4	73	3123
Grammar Schools	2131	1999	4130	1999	1946	3945	2312	2132	4444	1962	1869	3831	1885	1740	3625	251	827	303 94 6	109	4980
Primary Schools	2255	2194	4449	1964	1908	3872	2450	2295	4845	2049	2000	4049	1918	1858	3776	1322	354	637 865	117	5466
Mixed Schools	143	129	277	138	98	236	148	129	277	132	105	237	122	101	223	42	20	12 13	6	257
Kindergarten Schools	125	431	856	326	342	668	436	440	876	330	331	661	285	276	561	838	27	28 84 1	19	794
Total	7778	7557	15335	6944	6886	13830	8203	7937	16140	7012	6854	13866	6621	6398	13019	2853	1948	1137 92 6	423	28919

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CITY OF LOWELL

MASSACHUSETTS

Ninety-second Annual Report

OF THE

CITY AUDITOR



FOR THE FINANCIAL YEAR

1927

CITY OF LOWELL

MASSACHUSETTS



MAYOR

Thomas J. Corbett

CITY COUNCIL

John W. Daly, President

Bailey, Edward T.	Kiggins, John R.
Campbell, Abel R.	Lord, Louis J.
Chrétien, Joseph A. N.	MacLean, Frank E.
Cleary, Walter J.	Montminy, Joseph F.
Genest, Arthur	O'Brien, John E.
Haggerty, Francis J.	Preston, Richard F.
Inglis, Thomas F.	Thomas, Robert R.

City of Lowell

Lowell is situated at the confluence of the Merrimack and Concord Rivers. Was settled in 1653, called Chelmsford Grant. First town meeting in 1654.

Was originally a part of Chelmsford.

Owns its own water supply.

Incorporated as a town in 1826.

Incorporated as a city in 1836.

Part of Tewksbury annexed in 1834, 1847, 1898, 1906.

Part of Dracut annexed in 1851, 1874, 1879.

Part of Chelmsford annexed in 1826, 1874.

Population, 112,759.

Has 226.26 miles of streets. 150.87 accepted, 75.22 unaccepted.

Has 139.43 miles of sewers.

Has an area of 14.1 square miles.

Assessed valuation of \$141,759,193.00 and 28,512 assessed polls.

Tax rate \$30.00 per \$1,000.00, per cent of valuation 100.

Bonded indebtedness, December 31, 1927, \$5,190,230.00.

SCHOOL DEPARTMENT. 104 High School teachers, 101 Junior High School teachers, 35 Kindergarten School teachers, 25 Special teachers, 15 Substitutes, 38 Evening High School teachers, 22 Evening Elementary School teachers, 68 Evening Vocational School teachers, 29 Day Vocational School teachers, 21 Americanization teachers and 11 Continuation School teachers.

FIRE DEPARTMENT. 212 officers and men, 179 fire alarm boxes, 1610 hydrants, 20 fire apparatus (not including water tower).

WATER DEPARTMENT. Date of construction, 1870 to 1873; high service, 1881, driven wells, 1893 to 1919.

Source of supply—Two hundred ten (210) driven wells in the valley of River Meadow Brook and five hundred and fifty-five (555) driven wells at Pawtucket Boulevard.

Mode of supply—Pumping to reservoir and pumping direct. Filtered through coke and sand.

Daily capacity 10,000,000 gallons; 174.34 miles main; reservoir capacity 5 days supply; consumed 5,673,650 gallons daily.

PARK DEPARTMENT. 212,371.5 acres of parks and playgrounds valued at \$1,030,925.00.

Has five national banks, one trust company.

Has seven savings banks.

Has three co-operative banks.

Has 16½ miles of waterways.

Develops about 30,000 h. p. daily by means of 6½ miles of canals, which furnish power for manufacturing plants.

Has the largest textile school.

Has more than 1000 manufacturing plants.

Sections of Ordinances of City of Lowell

The financial year shall begin on the first day of January and end on the thirty-first day of the following December, including both days and all department books and accounts must be run accordingly.

All departments and offices of the city government shall keep and furnish such records in book form or otherwise as shall be prescribed by the City Auditor.

All accounts rendered to or kept in the departments of the city shall be subject to the inspection of the City Auditor.

All or any city departmental officials, collecting money due the city for licenses, fees, fines, services rendered or for material sold or for any other purpose, for which no bill was previously rendered, shall pay all such collections over to the City Treasurer on or before the last day of each month.

All bills or claims for work performed must be presented to the departments ordering the same; those for supplies furnished and on account of contracts therefor should be presented to the Purchasing Agent.

All bills or claims should be received by the city on or before the first day of the month.

All department receipts for materials and supplies should be sent to the purchasing agent on or before the third day of the month, as it is impossible for him to approve bills for payment in due course after that date.

All bills after approval by each commissioner should be listed and sent to the Auditor's Department not later than the eighth day of each month.

All bills or other claims, before they are finally certified by the City Auditor or paid shall be approved by Mayor.

All bills approved will be paid on the fifteenth day of each month.

Auditing Department

To the City Council of the City of Lowell,

Gentlemen:—

Pursuant to the provisions of law made and provided, hereinafter is submitted a report of the City Auditor of the City of Lowell, concerning all business transactions of the city during the fiscal year of 1927.

Respectfully,

J. JOSEPH HENNESSY,

Auditor.

Auditors City of Lowell

1836	John Nesmith
1837-1838	J. W. Mansur
1839	H. G. F. Corliss
1840-1847	John G. Locke
1848-1849	George A. Butterfield
1850-1852	William Lamson, Jr.
1853-1854	Leonard Brown
1855-1856	J. J. Maguire
1857	Henry A. Lord
1858-1873	George A. Gardner
1874-1886	David Chase
1887	William J. Coughlin
1888-1905	David Chase
1905 May 1—Aug. 1	James T. Dunfey
1905-1919 Aug. 1	Charles D. Paige
Aug. 1, 1919—Feb. 1, 1922	J. Joseph Hennessy
Feb. 1, 1922—Feb. 15, 1927	Daniel E. Martin
Feb. 16, 1927	J. Joseph Hennessy

Year 1927
TAX DISTRIBUTION

Polls at Commitment	28,512 @ \$2.00	\$ 57,024.00	
Polls at Supplementary	603 @ 2.00	1,206.00	
Total Tax on Polls		\$ 58,230.00	\$ 58,230.00
Real Property at Commitment, valuation of \$111,381,350.00 @ \$30.00 per \$1,000		\$3,341,440.50	
Real Property at Supplementary, valuation of \$2,250.00 @ \$30.00 per \$1,000		67.50	
Total Tax on Real Estate		3,341,508.00	\$3,341,508.00
Personal Property at Commitment, valuation of \$30,377,843.00 @ \$30.00 per \$1,000		\$ 911,335.29	
Personal Property at Supplementary, valuation of \$15,750.00 @ \$30.00 per \$1,000		472.50	
Total Tax on Personal Estate		\$ 911,807.79	\$ 911,807.79
Total Tax			\$4,311,545.79
Street Sprinkling Tax			25,466.66
Moth Tax			3,515.70
Sewer Assessments			3,074.09
Committed Interest			97.87
Grand Total for which Warrants were issued to Collector....			\$4,343,700.11

LEVY AT TIME OF COMMITMENT

City Appropriations		\$5,006,243.65	
Income Tax Estimate	\$ 348,504.64		
Estimated Receipts	860,000.00		
Transferred from Prior Revenue	147,507.83		
	\$1,356,012.47	\$1,356,012.47	
NET CITY APPROPRIATIONS			\$3,650,231.18
State Tax	\$ 297,240.00		
State Highway Tax	1,706.01		
State Auditing Tax	851.99		
TOTAL STATE LEVY	\$ 299,798.00	\$ 299,798.00	
COUNTY TAX			259,232.65
Total up to Overlay			\$4,209,261.83
OVERLAY			100,537.96
TOTAL CITY TAX			\$4,309,799.79
Street Sprinkling Tax			25,466.66
Moth Tax			3,515.70
Sewer Assessments			3,074.09
Committed Interest			97.87
Warrants Issued to Collector			\$4,341,954.11

SUMMARY OF THE ABATEMENTS OF POLLS AND PROPERTY ASSESSMENTS MADE IN THE YEAR 1927

Year	Poll Tax	Personal Tax	Real Estate Tax	Totals	Payments		Reassessments		Net Abatements		Real Est.	Net Totals	
					Before	After	Total	Before	After	Polls			Personal
1923	\$ 0.	\$ 80.85	\$ 83.16	\$ 164.01	\$.00	\$.00	\$.00	\$.00	\$.00	\$.00	\$ 83.16	\$ 164.01	
1924	12,056.	23,708.43	714.51	36,478.94	.00	2.00	.00	.00	.00	12,054.00	23,708.43	714.51	36,476.94
1925	10,902.	54,760.21	60.42	65,722.63	33,919.45	31,803.18	.00	.00	.00	10,902.00	22,960.21	57.24	33,919.45
1926	1,118.	247,37.59	7,758.82	33,614.41	20,153.06	13,461.35	190.38	190.38	.00	1,106.00	13,313.95	5,542.73	19,962.68
1927	0.	7,634.25	5,416.50	13,050.75	12,443.50	607.25	2,448.00	2,448.00	.00	.00	7,372.50	2,623.00	9,995.50

Abatements of Street Sprinkling made in the Year 1927

Year	Total	Payments		Reassessments		Net Abatements
		Before	After	Total	Before After	
1922	\$ 26.38	\$ 26.38	\$.00	\$.00	\$.00	\$26.38
1923	15.54	15.54	.00	.00	.00	15.54
1924	14.54	14.54	.00	.00	.00	14.54
1925	17.83	17.83	.00	.00	.00	17.83
1926	203.83	124.72	79.11	4.89	4.89	119.83
1927	22.87	22.87	.00	22.87	22.87	.00

Abatements of Moth Assessments made in the Year 1927

Year	Total	Payments		Reassessments		Net Abatements
		Before	After	Total	Before		After
1922	\$ 12.25	\$ 12.25	\$.00	\$.00	\$.00	\$12.25
1923	2.55	2.55	.00	.00	.00	2.55
1924	2.40	2.40	.00	.00	.00	2.40
1925	1.50	1.50	.00	.00	.00	1.50
1926	2.30	2.30	.00	.00	.00	2.30
1927	3.30	3.30	.00	3.00	3.00	.30

BALANCE SHEET—DECEMBER 31, 1927

Debit	REVENUE	Credit
\$ 343,732.42	Revenue Cash	
118.00	Taxes 1925—Poll	
2,251.24	Personal	
14,654.00	Taxes 1926—Poll	
34,248.58	Personal	
2,203.56	Real Estate	
22,774.00	Taxes 1927—Poll	
170,064.50	Personal	
1,080,821.63	Real Estate	
4.10	Moth Tax 1926	
1,159.60	Moth Tax 1927	
178.56	Street Sprinkling 1926	
8,584.81	Street Sprinkling 1927	
20,010.54	Tax Titles	
7,740.31	Sidewalk Assessments	
3,883.85	Sewer Assessments	
122,837.75	Departmental Accts. Rec.	
1,462.50	Com. of Mass. Mil. Aid	
3,792.00	Com. of Mass. State Aid	
10,711.40	Cemetery Accounts Rec.	
7,953.82	Water Accts. Receivable	
48,129.02	Water Works Deficit	
	Revenue Appropriations	21,888.27
	Temporary Loans	1,400,000.00
	Overlay Surplus	6,766.49
164.01	Overlay 1923	
	Overlay 1925	15,273.02
266.00	Overlay 1926	
	Overlay 1927	89,935.21
	Cemetery Revenue	10,711.40
	Water Works Revenue	7,953.82
	Prior Revenue	342,747.13
	Premiums	846.70
	Sidewalk Revenue	7,740.31
	Sewer Revenue	3,883.85
<u>\$ 1,907,746.20</u>		<u>\$ 1,907,746.20</u>

NON REVENUE

\$36,232.97	Non Revenue Cash	
	Non Revenue Appropriations	\$36,232.97

BALANCE SHEET—Continued—December 31, 1927

INDEBTEDNESS

Net Bonded Debt	\$5,190,230.00	3¾%	\$ 255,000.00
		4 %	1,272,280.00
		4¼%	934,700.00
		4½%	988,250.00
		4¾%	264,000.00
		5 %	1,281,000.00
		5¼%	26,000.00
		5½%	169,000.00
	<u>\$5,190,230.00</u>		<u>\$5,190,230.00</u>

TRUST FUNDS

Cash and Securities	\$ 392,727.41	Carney Medal Fund	\$ 200.00
		Carney Medal Fund	
		Income	18.18
		Cemetery Perpetual Care ..	236,276.54
		John Davis Library Fund	106,800.00
		Thomas Nesmith Fund.....	25,000.00
		Thomas Nesmith Fund	
		Income	1,190.60
		Joseph Henry Stackpole	
		Fund	1,000.00
		Johnathan Tyler Fund	10,000.00
		Hapgood Wright Centen-	
		nial Fund	7,343.79
		Hapgood Wright Centen-	
		nial Fund Income	820.80
		Unpaid Debt and Interest	4,077.50
	<u>\$ 392,727.41</u>		<u>\$ 392,727.41</u>

PROPERTY

Debit		Credit
\$ 2,238,426.67	Water Works	
4,620,440.00	Schools	
5,139,427.42	General Departments	
	City of Lowell (Balancing Account)	\$11,998,294.09
<u>\$11,998,294.09</u>		<u>\$11,998,294.09</u>

CITY OF LOWELL, DECEMBER 31, 1927

THE MUNICIPAL DEBT

Total General Debt, December 31, 1927	\$4,962,480.00
Total Water Debt, December 31, 1927	227,750.00
Total Temporary Loan, December 31, 1927	1,400,000.00
	<hr/>
	\$6,590,230.00

NET CITY DEBT

Total General Debt, January 1, 1927	\$5,200,050.00
Payments on General Debt. January-December inclusive	552,570.00
	<hr/>
Net General Debt, December 31, 1927	\$4,647,480.00
Loans Negotiated 1927	315,000.00
	<hr/>
	\$4,962,480.00

NET WATER DEBT

Total Water Works Debt, January 1, 1927	\$ 226,750.00
Payments on Water Works Debt. January-December inclusive	24,000.00
	<hr/>
Net Debt, December 31, 1927	\$ 202,750.00
Loans Negotiated 1927	25,000.00
	<hr/>
	\$ 227,750.00

Total Net City and Water Works Debt, December 31, 1927

City	\$4,962,480.00
Water	227,750.00
	<hr/>
Total	\$5,190,230.00

DEBT LIMIT, 1927

Total Gross Debt, December 31, 1927	\$6,590,230.00
Deduct by Legislation :	
Water	\$ 227,750.00
Special Legislation	2,084,700.00
Tax Revenue Loan	1,400,000.00
	<hr/> \$3,712,450.00
City Debt as Relates to Limit	\$2,877,780.00
Limit of Municipal Debt for 1927	3,582,537.44
City Debt as Relates to Limit	<hr/> 2,877,780.00
Distance from Debt Limit January 1, 1927	\$ 636,937.44
Distance from Debt Limit December 31, 1927	\$ 704,757.44

1927 LOANS NEGOTIATED

Macadam Paving	\$ 235,000.00
Permanent Paving	20,000.00
Sewer Construction	60,000.00
Water Works Equipment	25,000.00
	<hr/> \$ 340,000.00

RECAPITULATION OF 1927 LOANS

Borrowed Inside Limit of Indebtedness	\$ 315,000.00
Borrowed Outside Limit of Indebtedness	25,000.00

CLASSIFICATION OF

Receipts and Payments

BY SCHEDULES

Year 1927

RECEIPTS

SOURCES OF RECEIPTS	Revenue for Expenses	Offsets for Outlays	Total
GENERAL REVENUE			
Taxes			
Current Year			
Property	\$2,992,434.16		
Poll	35,456.00		
Previous Years			
Property	1,571,399.60		
Poll	18,832.00		
From the State			
Corporation	497,419.63		
Street Railway	5,434.71		
Bank	5,943.74		
Income	479,683.09		
Total, Taxes	\$5,606,602.93		\$5,606,602.93
LICENSES AND PERMITS			
Licenses			
Liquor	\$ 15.00		
All Other	13,360.67		
Permits			
Marriage	833.00		
Total, Licenses and Permits	\$ 14,208.67		\$ 14,208.67
FINES AND FORFEITS			
Court			
	\$ 40,876.05		
Total, Fines and Forfeits	\$ 40,876.05		\$ 40,876.05
GRANTS AND GIFTS			
From Smith-Hughes Fund	\$ 11,357.62		
From State, for Education			
English Speaking Classes	3,030.25		
Sight-Saving Classes	500.00		
From County, Dog Licenses	4,059.69		
Total, Grants and Gifts	\$ 18,947.56		\$ 18,947.56

RECEIPTS

SOURCES OF RECEIPTS	Revenue for Expenses	Offsets for Outlays	Total
COMMERCIAL REVENUE			
Special Assessments			
Street Sprinkling	\$ 25,870.46		
Moth Extermination	3,538.30		
Sewers	11,193.20		
Sidewalks and Curbing	18,399.92		
Total, Special Assessments	\$ 59,001.88		\$ 59,001.88
DEPARTMENTAL			
General Government			
Financial			
Treasurer	\$ 7,019.90		
Assessors	266.00		
License Commissioners	20.00		
Other General Departments			
Law	639.00		
City or Town Clerk	2,000.14		
Engineering	305.00		
Auditorium	7,530.00		
Total, General Government	\$ 17,780.04		\$ 17,780.04
PROTECTION PERSONS AND PROPERTY			
Police Department			
Services of Officers	\$ 2,480.45		
Fire Department			
Miscellaneous	317.00		
Inspection			
Inspection of Buildings	372.68		
Inspection of Wires	732.15		
Sealing of Weights and Measures	1,537.45		
Forestry			
Insect Pest Extermination	109.80		
Total, Protection Persons and Property	\$ 5,549.53		\$ 5,549.53

RECEIPTS

SOURCES OF RECEIPTS	Revenue for Expenses	Offsets for Outlays	Total
HEALTH AND SANITATION			
Health			
Quarantine and Contagious Hospitals	\$ 1,528.27		
Tuberculosis	7,171.48		
Miscellaneous	2,267.55		
Inspection Milk & Vinegar	10.00		
Sanitation			
Sewers and Sewage Disposal	32.41		
Sewer Construction		\$ 209.08	
Refuse and Garbage Disposal	5,918.68		
Other Health and Sanitation			
Comfort Station	467.67		
Total, Health & Sanitation	\$ 17,396.06	\$ 209.08	\$ 17,605.14
HIGHWAYS			
Highways			
General	\$ 674.27		
Total, Highways	\$ 674.27		\$ 674.27
CHARITIES			
Infirmary or Town Farm			
Board	\$ 3,807.20		
Reimbursements for Relief			
From Individuals	93.00		
From Other Cities and Towns	3,998.83		
From the State	9,297.55		
Reimbursements for Mothers' Aid			
From Other Cities and Towns	2,140.40		
From the State	20,628.49		
Total, Charities	\$ 39,965.47		\$ 39,965.47

RECEIPTS

SOURCES OF RECEIPTS	Revenue for Expenses	Offsets for Outlays	Total
SOLDIERS' BENEFITS			
State Aid	\$ 3,762.00		
Military Aid	1,556.50		
Soldiers' Relief	135.00		
Total, Soldiers' Benefits	\$ 5,453.50		\$ 5,453.50
SCHOOLS			
Tuition and Transportation, State Wards	\$ 2,798.32		
Other Tuition	26,994.53		
Sale of Text Books & Supplies	415.48		
Miscellaneous			
Vocational School	54,816.14		
Lunch Room	724.88		
Continuation School	13,731.24		
Total, Schools	\$ 99,480.59		\$ 99,480.59
LIBRARIES			
Fines	\$ 1,105.05		
Total, Libraries	\$ 1,105.05		\$ 1,105.05
RECREATION			
Parks and Gardens	\$ 932.50		
Playgrounds and Gymnasias	4,335.83		
Bathhouses and Beaches	311.65		
State Boxing	286.14		
Total, Recreation	\$ 5,866.12		\$ 5,866.12
PUBLIC SERVICE ENTERPRISES			
Water			
a. Sale of Water	\$ 352,904.95		
b. Miscellaneous	6,418.84		
All Other			
a. Public Scales	108.10		
Total, Public Service Enterprises	\$ 359,431.89		\$ 359,431.89

RECEIPTS

SOURCES OF RECEIPTS	Revenue for Expenses	Offsets for Outlays	Total
CEMETERIES			
Sale of Lots and Graves	\$ 4,106.00		
Care of Lots and Graves	9,083.00		
Opening Graves	5,715.00		
Care of Endowed Lots (Int. on Funds)	6,500.00		
Miscellaneous	1,330.43		
Total, Cemeteries	\$ 26,734.43		\$ 26,734.43
INTEREST			
On Deposits	\$ 10,806.17		
On Deferred Taxes	53,589.96		
On Deferred Special Assessments	460.44		
On Public Trust Funds			
a. Charity	1,747.94		
b. School	9.09		
c. Library	4,959.57		
d. Cemetery (General Care)	45.50		
Miscellaneous	7.60		
Total, Interest	\$ 71,626.27		\$ 71,626.27
MUNICIPAL INDEBTEDNESS			
Anticipation Revenue Loans		\$2,900,000.00	
Loans, General Purposes		315,000.00	
Loans, Public Service Enter- prises		25,000.00	
Premiums		1,813.10	
Total, Municipal Indebted- ness		\$3,241,813.10	\$3,241,813.10

RECEIPTS

SOURCES OF RECEIPTS	Revenue for Expenses	Offsets for Outlays	Total
AGENCY, TRUST AND INVESTMENT			
Agency			
Liquor Licenses for the State		\$ 5.00	
Trust			
Perpetual Care Funds		13,175.00	
Total, Agency, Trust and Investment		\$ 13,180.00	\$ 13,180.00
REFUNDS			
General Departments		\$ 3,061.75	
Accrued Interest		528.90	
Total, Refunds		\$ 3,590.65	\$ 3,590.65
TRANSFERS			
Departmental		\$ 76,247.15	
Tax Titles		\$ 525.19	
Total, Transfers		\$ 76,772.34	\$ 76,772.34
BALANCES			
General		\$ 498,016.04	
Other Public Trust Fund		9.09	
Private Trust Funds and Accounts		374.28	
		\$ 498,399.41	\$ 498,399.41
Grand Total Receipts and Cash on Hand			\$10,224,664.89

PAYMENTS

OBJECTS OF PAYMENTS	Expenses	Outlays	Total
DEPARTMENTAL			
General Government			
Legislative			
Council			
a. Salaries and Wages	\$ 7,900.00		
b. Expenses and Supplies	819.99		
Executive			
Mayor			
a. Salaries and Wages	10,323.00		
b. Other Expenses	3,537.87		
Financial			
Auditor			
a. Salaries and Wages	10,800.00		
b. Other Expenses	4,041.91		
Treasurer			
a. Salaries and Wages	21,856.00		
b. Other Expenses	8,179.30		
Assessors			
a. Salaries and Wages	23,907.54		
b. Other Expenses	1,503.75		
License Commissioners			
a. Salaries and Wages	5,021.58		
b. Other Expenses	197.10		
Other General Departments			
Law			
a. Salaries and Wages	9,077.00		
b. Other Expenses	2,330.14		
City or Town Clerk			
a. Salaries and Wages	15,490.00		
b. Other Expenses	963.54		
City Messenger			
a. Salaries and Wages	2,400.00		
b. Other Expenses	74.61		
Engineering			
a. Salaries and Wages	10,993.58		
b. Other Expenses	1,696.27		

PAYMENTS

OBJECTS OF PAYMENTS	Expenses	Outlays	Total
Superintendent of Buildings			
a. Salaries and Wages	2,900.00		
Election and Registration			
a. Salaries and Wages	23,938.39		
b. Other Expenses	12,850.60		
Other General Departments	24,372.83		
Municipal Buildings			
City or Town Hall			
a. Salaries and Wages	20,198.81		
b. Other Expenses	12,323.98		
Total, General Government	\$ 237,697.79		\$ 237,697.79
PROTECTION OF PERSONS AND PROPERTY			
Police Department			
Salaries and Wages	\$ 382,696.58		
Equipment	1,111.68	\$ 1,995.00	
Fuel and Light	2,070.30		
Maintenance of Buildings and Grounds	625.64		
Other Expenses	5,889.66		
Fire Department			
Salaries and Wages	\$ 391,755.54		
Equipment	8,698.54		
Fuel and Light	9,015.84		
Maintenance, Buildings and Grounds	741.47		
Other Expenses	23,866.43		
Militia			
Rifle Ranges	3,118.94		
Inspection			
Inspection of Buildings	23,697.73		
Inspection of Wires	5,608.19		
Sealing of Weights and Measures	9,135.48		
Forestry			
Insect Pest Extermination	7,720.42		

PAYMENTS

OBJECTS OF PAYMENTS	Expenses	Outlays	Total
Other Protection of Persons and Property			
Fish Wardens	150.00		
Pound Keeper	5.00		
Building Survey	168.40		
Total, Protection Persons and Property	\$ 876,075.84	\$ 1,995.00	\$ 878,070.84
HEALTH & SANITATION			
Health			
General Administration	\$ 7,756.24		
Quarantine and Contagious			
Hospitals	79,902.40		
Tuberculosis	7,178.48		
Vital Statistics	794.20		
Other Expenses	31,944.65		
Health Camp	878.18		
Health Survey	474.80		
Inspection			
School Hygiene	26,318.22		
Inspection of Animals	600.00		
Inspection, Milk and Vinegar	8,776.71		
Inspection of Smoke	505.00		
Sanitation			
Sewer Maintenance and Operation	25,742.50		
Sewer Construction		\$ 116,885.22	
Refuse and Garbage Disposal	164,156.28		
Street Cleaning	37,408.99		
Other Health and Sanitation			
Sanitaries and Convenience Stations	11,488.35		
Total, Health and Sanitation	\$ 403,925.00	\$ 116,885.22	\$ 520,810.22
HIGHWAYS			
General Administration	\$ 14,844.28		
General Highway Expenditures	137,398.46	\$ 5,713.32	
Construction		333,471.25	
Sidewalks and Curbing	1,841.42	20,000.00	
Snow and Ice Removal	42,192.98		

PAYMENTS

OBJECTS OF PAYMENTS	Expenses	Outlays	Total
Sprinkling			
a. Water	9,451.64		
b. Other	20,862.42		
Lighting	165,560.90		
Other Expenses			
a. Traffic Guides, Beacons	1,497.50		
b. Bridge Repairs	6,991.99		
c. State Highway Tax	1,706.01		
Total, Highways	\$ 402,347.60	\$ 359,184.57	\$ 761,532.17
CHARITIES			
General Administration	\$ 12,472.95		
Infirmory or Town Farm	130,686.46		
Outside Relief by City or Town	165,715.64		
Mothers' Aid			
a. Relief by City or Town	100,547.47		
b. Relief by Other Cities and Towns	1,030.11		
Other Expenses			
Emergency Relief	2,605.29		
Total, Charities	\$ 413,057.92		\$ 413,057.92
SOLDIERS' BENEFITS			
General Administration	\$ 4,698.67		
State Aid	3,816.00		
Military Aid	3,050.00		
Soldiers' Relief	32,257.82		
Total, Soldiers' Benefits	\$ 43,822.49		\$ 43,822.49
SCHOOLS			
General Expenses			
a. Administrative Salaries	\$ 7,000.00		
b. Other General Salaries	19,655.79		
c. Other General Expenses	2,505.56		
Teachers' Salaries	1,069,763.75		
Text Books and Supplies	27,249.54		
Transportation	5,091.32		
Support of Truants	905.14		
Janitors' Services	156,406.40		
Fuel and Light	59,113.78		
Maintenance, Buildings and Grounds	5,886.63		

PAYMENTS

OBJECTS OF PAYMENTS	Expenses	Outlays	Total
Furniture and Furnishings	883.58		
Other Expenses	134,405.00		
Textile School	10,000.00		
Total, Schools	\$1,498,866.92		\$1,498,866.92
LIBRARIES			
Salaries and Wages	\$ 23,400.00		
Books, Periodicals, etc.	1,283.09		
Binding	1,351.99		
Fuel and Light	1,244.50		
Other Expenses	12,907.84		
Total, Libraries	\$ 40,187.42		\$ 40,187.42
RECREATION			
General Administration			
a. Salaries and Wages	\$ 5,825.83		
b. Other Expenses	318.32		
Parks and Gardens			
a. Salaries and Wages	30,807.25	132.15	
b. Improvements and Additions		\$ 17,493.69	
c. Other Expenses	4,044.47		
Playgrounds and Gymnasias			
a. Salaries and Wages	4,667.65	15,304.04	
b. Improvements and Additions		14,268.49	
c. Other Expenses	1,638.93		
Bathhouses and Beaches			
a. Salaries and Wages	1,817.46		
b. Other Expenses	672.41		
Celebrations & Entertainments			
a. Fourth of July	236.00		
b. Labor Day	999.25		
c. Band Concerts	500.00		
d. All Other	88.90		
e. Lowell Centennial Celebration	133.20		
Total, Recreation	\$ 51,749.67	\$ 47,198.37	\$ 98,948.04
PENSIONS			
Retirement made from:			
a. Fire	\$ 19,928.43		

PAYMENTS

OBJECTS OF PAYMENTS	Expenses	Outlays	Total
b. Police	11,649.08		
c. School	499.22		
d. Street	1,511.95		
e. Water Works	1,037.80		
Total, Pensions	\$ 34,626.48		\$ 34,626.48
UNCLASSIFIED			
Damages to Persons and Property	\$ 6,297.00		
Memorial Day	3,581.44		
City and Town Clocks	26.98		
Ice for Drinking Fountains	42.13		
Payments not Previously Recorded	5,929.33		
a. Binding City or Town Reports	228.38		
b. Auditorium	32,633.69		
c. Board of Appeals	159.75		
d. Planning Board	35.00		
e. Soldiers' Graves	998.97		
f. Workmen's Compensation	9,025.60		
Total, Unclassified	\$ 58,958.27		\$ 58,958.27
PUBLIC SERVICE ENTERPRISES			
Water			
Water Maintenance	\$ 306,099.75		
Construction		\$ 16,911.32	
All Other			
Public Scales	1,397.66		
Total, Public Service Enterprises	\$ 307,497.41	\$ 16,911.32	\$ 324,408.73
CEMETERIES			
Maintenance	\$ 32,488.60		
Total, Cemeteries	\$ 32,488.60		\$ 32,488.60
INTEREST			
Anticipation Revenue Loans	\$ 54,532.22		

PAYMENTS

OBJECTS OF PAYMENTS	Expenses	Outlays	Total
INTEREST—Continued			
Loans, General Purposes	248,382.99		
Loans, Public Service Enterprises	8,981.25		
Total, Interest	\$ 311,896.46		\$ 311,896.46
MUNICIPAL INDEBTEDNESS			
Anticipation Revenue Loans		\$3,300,000.00	
Bonds & Notes from Revenue			
a. General	\$ 552,570.00		
b. Public Service Enterprises	24,000.00		
Preparing, Certifying and Marketing Bonds	1,700.00		
Total, Municipal Indebtedness	\$ 578,270.00	\$3,300,000.00	\$3,878,270.00
AGENCY, TRUST AND INVESTMENT			
Agency			
Taxes			
a. Corporation		\$ 12,635.14	
b. State		297,240.00	
c. County		259,232.65	
Liquor Licenses to State		4.75	
All Other		319.25	
Trust			
Perpetual Care Funds		13,175.00	
Other Public Trust Funds		931.62	
Tax Titles		4,044.52	
Total, Agency, Trust and Investment		\$ 587,582.93	\$ 587,582.93
REFUNDS			
Taxes		\$ 45,939.18	
Special Assessments		79.11	
Total, Refunds		\$ 46,018.29	\$ 46,018.29

PAYMENTS

OBJECTS OF PAYMENTS	Expenses	Outlays	Total
TRANSFERS			
Departmental		\$ 76,247.15	
Total, Transfers		\$ 76,247.15	\$ 76,247.15
BALANCES			
General		\$ 379,965.39	
Other Public Trust Fund		1,208.78	
Total Cash, End of Year		\$ 381,174.17	\$ 381,174.17
Grand Total Payments and Cash on Hand			\$10,224,664.89

Financial Statement

Of the

CITY OF LOWELL, MASSACHUSETTS

BALANCES
APPROPRIATIONS
TRANSFERS
CASH RECEIPTS
PAYMENTS

January 1, 1927—December 31, 1927

REVENUE ACCOUNTS

APPROPRIATIONS, RECEIPTS AND EXPENSES—YEAR 1927

	Balance from 1926	Appro- priations	Municipal Transfers	Depart- mental Transfers	Refunds	Cash Receipts	Total Credit	Expendi- tures	Municipal Transfers	Net Balance	Balance to 1928
Abatement of Taxes after Payment to Several Persons and Corporations		\$ 11,342.64					\$ 11,342.64	\$ 11,342.64			
Abatement of Taxes after Payment to Charles F. Row- ley and Ruben Dunsford. Receivers of Hamilton Mfg. Co. and paid to City of Lowell for year 1925		31,800.00					31,800.00	31,800.00			
Abatement of Taxes after Payment to Lamson Hous- ing Corporation and Paid to City of Lowell by Lamson Housing Corporation of City of Lowell for year 1926		1,215.80					1,215.80	1,215.80			
Animal Inspection											
Salary		600.00					600.00	600.00			
Annuities		1,500.00					1,500.00	1,500.00			
Assessors											
Salaries and Wages		24,012.00					24,012.00	23,907.54	103.75	.71	
Expenses and Supplies		1,400.00					1,503.75	1,503.75			
Auditor											
Salaries and Wages		10,800.00					10,800.00	10,800.00			
Expenses and Supplies		2,055.00			10.00		2,065.00	2,063.98		1.02	

	Balance from 1926	Appro- priations	Municipal Transfers	Depart- mental Transfers	Refunds	Cash Receipts	Total Credit	Expend't's	Municipal Transfers	Net Balance	Balance to 1928
Auditorium											
Salaries and Wages		19,000.00					19,000.00	18,196.79		803.21	
Expenses and Supplies		10,000.00					10,025.00	9,567.15		457.85	
Band Concerts		500.00			25.00		500.00	500.00			
Board of Appeals		160.00					160.00	159.75		.25	
Joseph Bowers Indemnity		1,200.00					1,200.00	1,200.00			
Bridges											
Repairs		10,000.00					10,000.00	6,991.99	3,000.00	8.01	
Buildings											
Salaries and Wages		89,931.32	10,922.15				100,853.47	100,805.77		47.70	
Expenses and Supplies		34,250.00		3,367.44			37,617.44	37,549.77		68.25	
Special		10,000.00					10,000.00	9,999.90		.10	
Survey		500.00					500.00	168.40			331.60
Carlisle and Gorham Streets—											
Triangular Lot	400.00						400.00				400.00
Cemeteries											
Salaries and Wages								26,541.88			3,112.19
Expenses and Supplies	8,771.80					26,779.93	35,551.73	5,897.66			
Chelmsford Street Hospital											
Salaries and Wages		39,000.00	1,100.00				40,100.00	40,054.85		45.15	1,012.29
Expenses and Supplies		73,722.00		55.74	7.20		73,784.94	71,672.65	1,100.00		
City Hall											
Salaries and Wages		20,000.00	200.00	44.00			20,244.00	20,242.81		1.19	
Expenses and Supplies		6,625.00					6,625.00	6,415.72	200.00	9.28	
Clock	1,440.07						1,440.07	1,431.70		8.37	

	Balance from 1926	Appro- priations	Municipal Transfers	Depart- mental Transfers	Refunds	Cash Receipts	Total Credit	Expend't res	Municipal Transfers	Net Balance	Balance to 1928
Civic Employment											
Salaries and Wages		1,800.00					1,800.00	1,800.00			
Expenses and Supplies		25.00					25.00	22.55		2.45	
Claims		8,000.00			55.15		8,055.15	7,702.29	346.16	6.70	
Claim—J. H. Sparks Co.			5,929.33				5,929.33	5,929.33			
Clerk											
Salaries and Wages		15,490.00					15,490.00	15,490.00			
Expenses and Supplies		1,760.00					1,760.00	1,757.74		2.26	
Comfort Station											
Salaries and Wages		8,750.00					8,750.00	8,749.84		.16	
Expenses and Supplies		2,150.00			3.50		2,153.50	2,153.46		.04	
Councillors											
Salaries and Wages		7,900.00					7,900.00	7,900.00			
Expenses and Supplies		700.00					700.00	679.49			
Debt		552,570.00					552,570.00	552,570.00		20.51	
Elections											
Salaries and Wages		24,371.00					24,371.00	23,938.39		432.61	
Expenses and Supplies		10,255.00					10,255.00	9,411.62		843.38	
Emergency Relief		10,000.00					10,000.00	2,605.29		7,394.71	
Engineering											
Salaries and Wages		11,000.00		22,240.65			33,240.65	33,234.23		6.42	
Expenses and Supplies		1,500.00		29.00	7.50		1,536.50	1,533.93		2.57	
Execution Court											
(John Brady)		777.50	785.84				1,563.43	1,563.43			

	Balance from 1926	Appro- priations	Municipal Transfers	Depart- mental Transfers	Refunds	Cash Receipts	Total Credit	(Expend't's)	Municipal Transfers	Net Balance	Balance to 1928
Finance Commission											
Salaries and Wages		7,800.00					7,800.00	7,800.00		4,931.09	353.00
Expenses and Supplies		6,200.00					6,200.00	915.91			
Fire											
Salaries and Wages		412,500.00					412,500.00	411,683.97		805.45	10.58
Expenses and Supplies		21,350.00			217.89		21,567.89	21,558.45		9.44	
Fish and Game Warden											
Salary		150.00					150.00	150.00			
Fourth of July		1,000.00					1,000.00				
General Expenses		4,000.00					4,000.00	3,975.53		24.47	1,000.00
Health											
Ashes and Waste											
Salaries and Wages		90,000.00					90,000.00	89,262.20	659.00	78.80	
Expenses and Supplies		14,000.00					14,000.00	13,639.24		360.76	
Milk and Vinegar											
Salaries and Wages		6,912.19					6,912.19	6,912.19		135.48	
Expenses and Supplies		2,000.00					2,000.00	1,864.52			
Office											
Salaries and Wages		33,236.45					33,236.45	32,496.89	260.00	479.56	
Expenses and Supplies	2,133.58	20,409.25		5.00	5.00		22,552.83	14,387.48	7,807.61	357.74	
School Hygiene											
Salaries and Wages		23,500.00	260.00	476.80			24,236.80	24,236.80		148.63	
Expenses and Supplies		2,657.35			49.50		2,706.85	2,558.22		123.20	
Camp			600.00				600.00	476.80		25.20	
Survey		500.00					500.00	474.80			

	Balance from 1926	Appro- priations	Municipal Transfers	Depart- mental Transfers	Refunds	Cash Receipts	Total Credit	Expend't's	Municipal Transfers	Net Balance	Balance to 1928
Health—(Cont'd.)											
Yard											
Salaries and Wages		55,000.00	659.00				55,659.00	55,643.50		15.50	
Expenses and Supplies		4,500.00		45.25	5.50		4,550.75	4,513.75		37.00	
Insurance		25,000.00			142.50		25,142.50	25,127.30		15.20	
Interest											
Current	1,055.90	83,500.00					84,555.90	59,313.47		25,242.43	
Fixed Charge		243,601.74					243,601.74	243,601.74			
Isolation Hospital											
Salaries and Wages		38,000.00					38,000.00	37,955.92		44.08	
Expenses and Supplies		27,000.00	3,500.00	115.71	28.66		30,644.37	30,531.83		112.54	
Labor Day		1,000.00					1,000.00	999.25		.75	
Labor Registrar											
Salary		1,000.00					1,000.00	1,000.00		3.55	
Expenses and Supplies		100.00					100.00	96.45			
Library											
Salaries and Wages		23,400.00					23,400.00	23,400.00			
Expenses and Supplies		6,000.00				1,105.05	7,105.05	7,105.05			
John Davis Fund	102.06					4,959.57	5,061.63	5,028.48			33.15
License Commission											
Salaries and Wages		5,015.00			6.58		5,021.58	5,021.58		2.90	
Expenses and Supplies		200.00					200.00	197.10			
Liquor Licenses		4.75					4.75	4.75			
Lowell Centennial Celebration											
Macadamizing	1,148.65	36,475.00					1,148.65	133.20	36,475.00		1,015.45

	Balance from 1926	Appro- priations	Municipal Transfers	Depart- mental Transfers	Refunds	Cash Receipts	Total Credit	Expend'tures	Municipal Transfers	Net Balance	Balance to 1928
Mayor											
Auto		2,000.00					2,000.00	1,990.00		10.00	
Salaries and Wages		10,500.00					10,500.00	10,323.00		177.00	
Expenses and Supplies		1,000.00					1,000.00	998.69		1.31	
Memorial Day											
American Legion		1,250.00					1,250.00	1,248.07		1.93	
F. W. V.		550.00					550.00	550.00			
G. A. R.		1,200.00					1,200.00	1,183.37		16.63	
S. W. V.		600.00					600.00	600.00			
Messenger		2,400.00					2,400.00	2,400.00		.39	
Salaries and Wages		75.00					75.00	74.61			
Expenses and Supplies											
Moths		6,496.00					6,522.31	6,522.25		.06	
Salaries and Wages		1,252.00			53.51		1,252.00	1,198.17	53.31	.52	
Expenses and Supplies											
Mothers with Dependent											
Children											
Salaries and Wages		98,141.38	1,700.00	90.75	37.50		99,969.63	99,969.63	1,700.00	1.30	
Expenses and Supplies		3,400.00					3,400.00	1,698.70			
Out Door Relief											
Salaries and Wages		18,050.36					18,050.36	18,050.36			
Expenses and Supplies	2,221.72	160,000.00		1,061.23	156.50		163,439.45	161,195.96	2,221.72	21.77	
Painting Traffic Lines on											
Streets		1,500.00					1,500.00	1,497.50		2.50	
Parks											
Salaries and Wages		50,000.00				5,579.98	58,579.98	58,554.38		25.60	
Expenses and Supplies		23,000.00			31.17		23,031.17	19,631.06	3,000.00	.11	400.00
Freeman B. Shedd Bequest ..	15,609.61						15,609.61	15,557.26			52.35
Paving		36,475.00					36,475.00	36,475.00			
Planning Board		145.00					145.00	35.00		110.00	

	Balance from 1926	Appro- priations	Municipal Transfers	Depart- mental Transfers	Refunds	Cash Receipts	Total Credit	Expend't's	Municipal Transfers	Net Balance	Balance to 1928
Playgrounds											
South Lowell	200.00						200.00	200.00			
Police											
Auto		2,000.00					2,000.00	1,995.00		5.00	
Salaries and Wages	37,838.22	353,000.00		1,097.50		1,845.00	393,780.72	387,119.09		6,661.63	
Expenses and Supplies	302.50	11,421.00		55.00	64.82		11,843.32	9,538.25	2,000.00	2.57	302.50
Pound Keeper		5.00					5.00	5.00			
Preparing, Certifying and Marketing Bonds											
Purchasing Agent						1,700.00	1,700.00	1,700.00			
Salaries and Wages		11,210.00					11,210.00	11,110.00	70.00	30.00	
Expenses and Supplies		1,550.00	70.00				1,620.00	1,619.22		.78	
Revision of Ordinance Laws	900.00						900.00				900.00
Rifle Range											
Salaries and Wages		1,248.00					1,248.00	1,248.00			
Expenses and Supplies		1,000.00					1,000.00	999.65		.35	
Safety Guard Chelmsford											
Street Bridge	3 100.00						3,100.00	2,755.07		344.93	
Schools—General											
Salaries and Wages		1212,525.00			10.00		1212,535.00	1208,982.50		3,552.50	
Expenses and Supplies		123,200.00			357.65		123,557.65	122,363.46		1,194.19	
Sight Saving Classes						500.00	500.00	500.00		500.00	
Smith-Hughes Fund						11,357.62	11,357.62	11,357.62			
Textile School		10,000.00					10,000.00	10,000.00			
Schools—Vocational											
Salaries and Wages		85,000.00			20.00		85,020.00	83,867.33		1,152.67	
Expenses and Supplies		15,000.00					15,000.00	11,768.54		3,231.46	

	Balance from 1926	Appro- priations	Municipal Transfers	Depart- mental Transfers	Refunds	Cash Receipts	Total Credit	Expend't's	Municipal Transfers	Net Balance	Balance to 1928
Sealer											
Salaries and Wages		8,212.00		.74			8,212.74	8,212.16		.58	
Expenses and Supplies		1,000.00		7.54			1,007.54	931.60		75.94	
Sewer Construction		36,475.00					36,475.00		36,475.00		
Sewer Maintenance											
Salaries and Wages		22,500.00	971.19	1,381.83			24,853.02	24,659.88		193.14	
Expenses and Supplies		2,500.00					2,500.00	2,464.45		35.55	
Sidewalks—New											
Salaries and Wages		8,000.00					8,000.00	8,000.00		.75	
Expenses and Supplies		12,000.00			.75		12,000.75	12,000.00			
Smoke Inspector											
Salaries and Wages		500.00					500.00	500.00			
Expenses and Supplies		10.00					10.00	5.00		5.00	
Soldiers' and Sailors' Graves		1,000.00					1,000.00	998.97		1.03	
Soldiers' Benefits											
Salaries and Wages		4,650.00					4,650.00	4,083.95	400.00	166.05	
Expenses and Supplies		38,000.00	400.00		1,339.03		39,739.03	39,738.54		.49	
Solicitor											
Salaries and Wages		9,077.00					9,077.00	9,077.00		4.21	
Expenses and Supplies		1,000.00			2.75		1,002.75	998.54			464.10
Collection Bills		500.00					500.00	35.90			4,627.54
Gas & Elec. Light'g Invest. ..		5,000.00					5,000.00	372.46			7,873.52
Tax Cases	2,885.42	5,000.00					7,885.42	11.90			
Street Lighting		170,000.00					170,000.00	165,560.90		4,439.10	
Street Maintenance											
Salaries and Wages	356.25	171,000.00	10,218.66		5.20		181,223.86	180,234.96		988.90	
Expenses and Supplies		57,200.00	11,337.95	5,833.52			74,727.72	73,825.49		902.23	
Fifth Avenue Extension	2,958.25						2,958.25	2,958.25			

	Balance from 1926	Appro- priations	Municipal Transfers	Depart- mental Transfers	Refunds	Cash Receipts	Total Credit	Expend't's	Municipal Transfers	Net Balance	Balance to 1928
Stable, Yard—Equipment				7,058.60			7,058.60		7,058.60		
Salaries and Wages				11,337.95			11,337.95		11,337.95		
Expenses and Supplies											
Street Sprinkling											
Salaries and Wages	785.84	7,000.00					7,000.00	6,028.81	971.19		
Expenses and Supplies		24,100.00			202.06		25,087.90	24,142.00	945.90		
Taxes											
Corporation		12,635.14					12,635.14	12,635.14			
County		259,232.65					259,232.65	259,232.65			
State		297,240.00					297,240.00	297,240.00			
State Auditing		851.99					851.99	851.99			
State Highway		1,706.01					1,706.01	1,706.01			
Veterans Exemption		319.25					319.25	319.25			
Treasurer											
Salaries and Wages		21,856.00					21,856.00	21,856.00		1.66	
Expenses and Supplies		5,800.00		29.00	30.00		5,859.00	5,857.34			
Advertising		774.16					774.16	774.16			
Water Works											
Salaries and Wages		229,000.00					229,000.00	228,990.00		10.00	
Expenses and Supplies		111,000.00					110,000.00	110,999.70		.30	
Weigher											
Salaries and Wages		1,400.00					1,400.00	1,373.16		26.84	
Expenses and Supplies		25.00					25.00	24.50		.50	
Wire											
Salaries and Wages		4,573.48			212.34		4,785.82	4,785.82		2.63	
Expenses and Supplies		825.00					825.00	822.37		1.83	
Workmen's Compensation		8,653.84	346.16		21.43		9,021.43	9,019.60			
Totals	\$82,209.87	603,457.34	\$52,157.34	\$54,333.25	\$3,055.18	\$53,827.15	628,040.13	604,247.07	152,660.19	67,018.60	21,888.27

NON-REVENUE ACCOUNTS LOANS, RECEIPTS AND PAYMENTS—YEAR 1927

	Balance from 1926	Loans	Municipal Transfers	Depart- mental Transfers	Refunds	Cash Receipts	Total Credit	Expend'tures	Municipal Transfers	Balance to 1928
Bridge Construction	59.59						\$ 59.59	\$ 59.59		824.07
Fire Equipment Loan	824.07						824.07			60.91
Oakland Fire House	60.91									6,711.51
First Street Extension	6,711.51						6,711.51			6,065.63
Macadamizing	18.67	235,000.00					281,208.70	275,143.07	450.37	
Macadam—Standish St.	450.37		36,925.37	9,264.66			450.37			
Memorial Auditorium	223.35						223.35			223.35
Additional Loan	440.78						440.78			440.78
Parks—Anne Street Park	709.04						709.04	709.04		
Ayer Field	54.30						54.30			54.30
Riverside Street Park	4,487.68						4,487.68			4,487.68
Paving—Permanent	21.32	20,000.00	36,475.00	12,394.12			68,890.44	68,836.81		53.63
Lakeview Ave.	8,838.85						8,838.85		8,838.85	
Lawrence Street	2,148.21						2,148.21		2,148.21	
Stevens St.	103.50						103.50		103.50	
Playgrounds—General	1,096.33						1,096.33			1,096.33
Centralville	277.06						277.06		277.06	277.06
Morey Street	4,674.26						4,674.26		2,251.15	
John J. O'Donnell	41.08						41.08			41.08
Public Bath and Comfort Station	48.50						48.50			48.50
Schools—Acquiring Land and Constructing Schools	424.43						424.43			424.43
New High	110.73						110.73			110.73
Sewers—Construction	23,882.99	60,000.00	36,475.00	423.53			120,781.52	116,270.96		4,510.56
Oakland Main	1,037.79						1,037.79	1,037.79		
Water Main Loan—1925	290.63						290.63	290.63		
Water Department Equipment Loan 1927		25,000.00								
Totals	\$57,035.95	\$340,000.00	\$109,875.37	\$22,082.31			\$528,993.63	\$478,968.58	\$13,792.08	\$36,232.97

CLASSIFICATION OF
Departmental Expenses
Revenue

ANIMAL INSPECTION

Appropriation	\$	600.00
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Expended

Salary:

To Walter A. Sherman, Inspector	\$	475.06	
Wm. S. Eaton, Successor to Dr. Sherman		124.94	
	—————	\$	600.00

ANNUITIES

Appropriation	\$	1,500.00
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Expended

To Aline Bisaillon	\$	500.00	
Mrs. Edward J. P. Cunningham		500.00	
Grace L. Foss		500.00	
	—————	\$	1,500.00

ASSESSORS

Appropriation—Salaries and Wages	\$	23,908.25
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Expended

To Wilfred J. Achin	\$	2,800.00	
James E. Donnelly		245.48	
John H Dwyer		2,800.00	
William P. Morrissey		2,554.52	
Permanent Clerks		10,008.54	
Temporary Clerks		3,984.00	
Assistant Assessors		1,515.00	
	—————	\$	23,907.54
Returned to Treasury .....			.71

	\$	23,908.25
Appropriation—Expenses and Supplies	\$	1,503.75

Expended

For Advertising	\$	22.17	
Auto Expenses		358.40	
Office Expenses		468.96	
Printing and Binding		557.75	
All Other Expenses		96.47	
	—————	\$	1,503.75

AUDITING DEPARTMENT

Appropriation—Salaries and Wages	\$	10,800.00
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Expended .

To Daniel E. Martin, Auditor	\$	441.08	
J. Jos. Hennessy, successor to Mr. Martin		3,058.92	
Clerks		7,300.00	
		<hr/>	
	\$		10,800.00
Appropriation—Expenses and Supplies	\$		2,065.00

Expended

For Advertising	\$	14.38	
Binding		117.00	
Office Expenses		352.97	
Printing		1,482.48	
All Other Expenses		97.15	
		<hr/>	
	\$		2,063.98
Returned to Treasury			1.02
		<hr/>	
	\$		2,065.00

AUDITORIUM MAINTENANCE

Appropriation—Salaries and Wages	\$	19,000.00
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Expended

To Clerical Services and Labor	\$	18,196.79
Returned to Treasury		803.21
		<hr/>
	\$	19,000.00
Appropriation—Expenses and Supplies	\$	10,025.00

Expended

For Advertising	\$	33.40
Electrical Repairs		284.46
Fuel		2,374.34
Furniture and Furnishings		424.98
General Repairs		2,851.78
Janitors' Supplies		438.71
Lighting		2,016.21
New Equipment		628.39
Office Expense, Printing		165.14

CITY AUDITOR'S REPORT
AUDITORIUM MAINTENANCE—Continued

Telephone	145.40	
Water	101.94	
All Other Expenses	102.40	
	<hr/>	\$ 9,567.15
Returned to Treasury		457.85
		<hr/>
	\$	10,025.00

BAND CONCERTS

Appropriation	\$	500.00
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Expended

For Music	\$	500.00
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BOARD OF APPEALS

Appropriation	\$	160.00
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Expended

For Conference Expenses	\$	20.00
Office Expenses	139.75	
	<hr/>	\$ 159.75
Returned to Treasury25
		<hr/>
	\$	160.00

JOSEPH BOWERS—INDEMNITY

Appropriation	\$	1200.00
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Expended

For Execution of Court	\$	1,200.00
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BOARD OF PUBLIC WELFARE—MOTHERS' AID

Appropriation—Salaries and Wages	\$	99,969.63
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Expended

Salaries and Wages:		
For Mothers' Aid	\$	97,301.75
Physician	345.00	
All Other Services	2,322.88	
	<hr/>	\$ 99,969.63

CITY AUDITOR'S REPORT

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BOARD OF PUBLIC WELFARE—MOTHERS' AID—Continued

Appropriation—Expenses and Supplies\$ 1,700.00

Expended

For Aid	\$ 1,352.86	
Automobile Expense	139.49	
Office Expense, Printing	135.35	
Professional Services	58.50	
All Other Expenses	12.50	
	<hr/>	\$ 1,698.70

Returned to Treasury 1.30

\$ 1,700.00BOARD OF PUBLIC WELFARE—DIVISION
AID AND RELIEF

Appropriation—Salaries and Wages\$ 18,050.36

Expended

Salaries:

To Stephen C. Garrity, Superintendent	\$ 2,400.00	
Various Physicians	3,043.73	
All Other Services	12,606.63	
	<hr/>	\$ 18,050.36

Appropriation—Expenses and Supplies\$ 161,217.73

Expended

For Auto Expense	\$ 362.09	
Board and Care	753.95	
Burials	1,758.00	
Cash Allowances	44,319.00	
Dental and Medical Services	498.50	
Dispensary Expenses	2,358.53	
Fuel	11,699.58	
Office Expense, Printing	1,566.86	
Provisions	85,128.86	
Relief:		
Local Institutions	6,648.26	
State Institutions	4,788.34	
Other Institutions	427.84	
Transportation	770.30	
All Other Expenses	115.85	
	<hr/>	\$ 161,195.96

Returned to Treasury 21.77

\$ 161,217.73

BRIDGE REPAIRS

Appropriation	\$	7,000.00
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Expended

Wages:		
To Labor	\$	3,348.53
Other Expenses:		
For Equipment and Repairs		517.48
Lumber		1,634.91
Services of Assistants		935.83
Steel Supplies		515.05
All Other Expenses		40.19
	\$	6,991.99
Returned to Treasury	\$	8.01
	\$	7,000.00

BUILDING DEPARTMENT

Appropriation—Salaries and Wages	\$	100,853.47
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Expended

Salaries:		
To John E. Moynahan, Supt. of Public		
Buildings	\$	2,900.00
Clerical Services		5,339.27
All Other Salaries and Wages		92,566.50
	\$	100,805.77
Returned to Treasury		47.70
	\$	100,853.47
Appropriation—Expenses and Supplies	\$	37,617.44

Expended

For Auto Expenses	\$	2,973.71
Electrical Work		1,426.36
Fuel		478.62
Hardware		2,009.27
Heating		1,007.48
Janitors' Supplies		248.04
Light and Power		741.74
Lumber		5,742.02
Mason Work		4,234.01
Metal Work		1,279.17

CITY AUDITOR'S REPORT

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BUILDING DEPARTMENT—Continued

Office Expense	448.41	
Paint, Stock	2,912.65	
Plumbing and Piping	10,832.10	
Roofing	157.72	
Services—Architects'	260.00	
Services of Assistants	2,436.17	
Transportation	196.14	
Water	56.05	
All Other Expenses	109.53	
	<hr/>	\$ 37,549.19
Returned to Treasury		68.25
		<hr/>
		\$ 37,617.44

BUILDINGS—SPECIAL

Appropriation	\$ 10,000.00
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Expended

Wages:		
To Labor	\$ 5,976.77	
Other Expenses:		
General Repairs	\$ 3,079.33	
Mason Work	264.72	
Lumber	15.87	
Pipe	212.87	
Services of Assistants	450.34	
	<hr/>	\$ 9,999.90
Returned to Treasury10
		<hr/>
		\$ 10,000.00

BUILDING SURVEY

Appropriation	\$ 500.00
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Expended

Other Expenses:		
For Office Supplies	\$ 13.40	
Printing	11.00	
Services, Clerical	144.00	
	<hr/>	\$ 168.40
Balance to 1928		331.60
		<hr/>
		\$ 500.00

CEMETERIES

Balance from 1926	\$	8,771.80	
Receipts Year 1927		26,779.93	
		<hr/>	\$ 35,551.73

Expended

Salaries and Wages:

To Thomas Duckworth, Supt. of Edson Cemetery	\$	2,400.00
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Other Salaries and Wages	24,141.88
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Other Expenses:

For Auto Expenses	\$	2,280.41
Equipment, Hardware		1,550.72
Fertilizer, Loam, Plants		942.44
Fuel, Light		372.24
Office Expense, Printing		458.35
Stable Expenses		125.24
Water		65.76
All Other Expenses		102.50

		<hr/>	\$ 32,439.54
Balance to 1928			3,112.19
		<hr/>	\$ 35,551.73

CARLISLE AND GORHAM STS.—TRIANGULAR LOT

Balance from 1926	\$	400.00
Balance to 1928	\$	400.00

CHELMSFORD STREET HOSPITAL

Appropriation—Salaries and Wages	\$	40,100.00
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Expended

To Dominick Molloy, Supt.	\$	2,199.91	
Michael A. Tighe, City Physician		1,400.00	
All Other Services		36,454.94	
		<hr/>	
		\$	40,054.85
Returned to Treasury			45.15

		<hr/>	\$ 40,100.00
Appropriation—Expenses and Supplies	\$		72,684.94

Expended

For Auto Expense	\$	243.54
Dental and Medical Services		501.70

CITY AUDITOR'S REPORT

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CHELMSFORD STREET HOSPITAL—Continued

Dry Goods and Clothing	3,584.29	
Equipment	503.57	
Farm Implements, Fertilizer and Feed	367.43	
Fuel	11,512.11	
Furniture, Furnishings	586.63	
Groceries, Provisions	35,017.45	
Hardware	311.55	
Harness and Stable Supplies	432.18	
Hay, Grain, etc.,	2,987.34	
Hospital Supplies, Drugs and Medicine	3,412.52	
Household Supplies	3,244.86	
Lighting	2,579.92	
Office Expense, Printing	440.61	
Repairs	1,505.63	
Taxes	111.91	
Transportation	386.94	
Water and Ice	3,751.77	
All Other Expenses	190.70	
		\$ 71,672.65
Balance to 1928		1,012.29
		<hr/>
		\$ 72,684.94

CITY HALL

Appropriation—Salaries and Wages	\$ 20,244.00
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Expended

Wages:		
To Engineers and Firemen	\$ 7,815.69	
Elevator Service	1,618.21	
Janitors	5,028.15	
Matrons	5,780.76	
		\$ 20,242.81
Returned to Treasury		1.19
		<hr/>
		\$ 20,244.00
Appropriation—Expenses and Supplies	\$ 6,425.00	

Expended

For Auto Expense:	
City Hall Clock Repairs	\$ 106.75
Fuel	3,533.85
Furniture, Furnishings	343.60
General Repairs	154.25
Hardware	23.04
Ice and Water	378.88

CITY AUDITOR'S REPORT

CITY HALL—Continued

Janitors' Supplies	\$ 515.86	
Lighting	1,270.08	
Transportation	1.40	
All Other Expenses	88.01	
	<hr/>	\$ 6,415.72
Returned to Treasury		9.28
		<hr/>
	\$	6,425.00

REPAIR OF CITY HALL CLOCK

Balance from 1926	\$ 1,440.07	
Expended		
For Electrical Supplies	\$ 56.70	
Repairs (Contract)	1,375.00	
	<hr/>	\$ 1,431.70
Returned to Treasury		8.37
		<hr/>
	\$	1,440.07

CIVIC EMPLOYMENT

Appropriation—Salaries and Wages	\$ 1,800.00
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Expended

Salary :	
Cornelius Cronin, Superintendent	\$ 1,800.00
Appropriation—Expenses and Supplies	\$ 25.00

Expended

For Office Supplies and Printing	\$ 22.55	
	<hr/>	\$ 22.55
Returned to Treasury		2.45
		<hr/>
	\$	25.00

CLAIMS—J. H. SPARKS COMPANY

Appropriation	\$ 5,929.33
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Expended

For Ambulance Service	\$ 5,929.33
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CLAIMS

Appropriation	\$	7,708.99
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Expended

For Auto Expense	\$	72.02	
Damages		1,964.00	
Injuries		1,947.00	
Executions of Court		1,831.13	
Office Expense		206.62	
Services		1,393.35	
Transportation		215.95	
All Other Expenses		72.22	
		<hr/>	\$ 7,702.29
Returned to Treasury			6.70
			<hr/>
	\$		7,708.99

CLERK

Appropriation—Salaries and Wages	\$	15,490.00
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Expended

Salaries:			
To Stephen Flynn, City Clerk	\$	3,500.00	
Wm. P. McCarthy, Assistant City Clerk ...		3,000.00	
All Other		8,990.00	
		<hr/>	\$ 15,490.00
Appropriation—Expenses and Supplies	\$		1,760.00

Expended

For Advertising	\$	17.10	
Office Expense		410.81	
Printing and Binding		664.00	
Physicians		592.75	
All Other Expenses		73.08	
		<hr/>	\$ 1,757.74
Returned to Treasury			2.26
			<hr/>
	\$		1,760.00

COMFORT STATION

Appropriation—Salaries and Wages	\$	8,750.00
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CITY AUDITOR'S REPORT
COMFORT STATION—Continued
Expended

Wages:

To Labor	\$ 8,749.84	
	<hr/>	\$ 8,749.84
Returned to Treasury .....		.16

	\$ 8,750.00	
Appropriation—Expenses and Supplies	\$	2,153.50

Expended

For Fuel and Light	\$ 596.17	
Janitors' Supplies	415.08	
Repairs	732.62	
Water	395.60	
All Other Expenses	13.99	
	<hr/>	\$ 2,153.46
Returned to Treasury04
		<hr/>
	\$	2,153.50

COUNCILLORS

Appropriation—Salaries and Wages	\$	7,900.00
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Expended

Salaries:

To Councillors	\$ 7,500.00	
Stephen Flynn, Clerk	400.00	
	<hr/>	\$ 7,900.00
Appropriation—Expenses and Supplies	\$	700.00

Expended

For Advertising	\$ 321.50	
Office Expenses, Printing	202.31	
Transportation	152.18	
All Other Expenses	3.50	
	<hr/>	\$ 679.49
Returned to Treasury		20.51
		<hr/>
	\$	700.00

DEBT

Appropriation	\$	552,570.00
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Expended

To Various Financial Institutions and Individuals	\$	552,570.00
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ELECTIONS

Appropriation—Salaries and Wages	\$	24,371.00
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Expended

To J. Omer Allard, Election Commissioner	\$	499.99
Maurice J. Brassard, successor to Mr. Allard		1,500.01
Thomas H. Braden, Election Commissioner		2,000.00
Mary C. McNeil, Election Commissioner		2,000.00
Andrew F. Roach, Election Commissioner		2,000.00
Clerical		1,629.17
Precinct Officers		5,760.50
Registrar's Assistants		5,869.66
All Other		2,679.06
	<hr/>	\$ 23,938.39
Returned to Treasury		432.61

	\$	24,371.00
Appropriation—Expenses and Supplies	\$	10,255.00

Expended

For Advertising	\$	164.25
Election Expenses		219.86
Fuel and Light		105.97
Office Expense		515.02
Printing and Binding		3,633.64
Rent of Land for Polling Booths		737.54
Polling Booth Equipment and Repairs		3,620.34
Teaming and Trucking		350.00
All Other Expenses		65.00
	<hr/>	\$ 9,411.62
Returned to Treasury		843.38
	\$	10,255.00

EMERGENCY RELIEF

Appropriation	\$	10,000.00
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Expended

Wages :		
To Labor	\$	2,366.91
All Other Expenses :		
For Use of Equipment		207.63
Repairs		30.75
	<hr/>	\$ 2,605.29
Returned to Treasury		7,394.71
	\$	10,000.00

ENGINEERING DEPARTMENT

Appropriation—Salaries and Wages\$ 33,240.65

Expended

Salaries and Wages :

To Stephen Kearney, City Engineer	\$ 4,200.00	
Clerks	3,051.84	
All Other Services	25,982.39	
	<hr/>	\$ 33,234.23

Returned to Treasury		6.42
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	\$	33,240.65
Appropriation—Expenses and Supplies	\$	1,536.50

Expended

For Auto Expenses	\$ 140.97	
Drafting Expenses	102.91	
Office Expenses and Printing	906.66	
Transportation	368.88	
All Other Expenses	14.51	
	<hr/>	\$ 1,533.93

Returned to Treasury		2.57
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	\$	1,536.50
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EXECUTION OF COURT—(John Brady)

Appropriation\$ 1,563.43

Expended

For Execution of Court	\$ 1,563.43
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FINANCE COMMISSION

Appropriation—Salaries and Wages\$ 7,800.00

Expended

Salaries :

To Arthur T. Safford, Chairman	\$ 3,000.00	
Albert J. Blazon	500.00	
John E. Drury	500.00	
Wm. Trottier, Secretary	2,500.00	
Clerk	1,300.00	
	<hr/>	\$ 7,800.00

Appropriation—Expenses and Supplies	\$	6,200.00
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FINANCE COMMISSION—Continued

Expended

For Office Expenses	\$	320.50	
Printing		271.30	
Professional Services		250.00	
Transportation		58.50	
All Other Expenses		15.61	
		<hr/>	\$ 915.91
Returned to Treasury			4,931.09
Balance to 1928			353.00
			<hr/>
	\$		6,200.00

FIRE DEPARTMENT

Appropriation—Salaries and Wages	\$	412,500.00
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Expended

Salaries and Wages:			
To Edward F. Saunders, Chief	\$	3,500.00	
All Other Salaries and Wages		388,255.54	
Pensions		19,928.43	
		<hr/>	\$ 411,683.97
Returned to Treasury			805.45
Balance to 1928			10.58
			<hr/>
	\$		412,500.00
Appropriation—Expenses and Supplies	\$		21,567.89

Expended

For Auto Expense	\$	5,075.34	
Building Equipment		1,445.30	
Fire Alarm Expense		417.18	
Fuel and Light		9,015.84	
Hose		2,256.02	
Laundry		741.47	
Office Expense and Printing		321.35	
Repairs		837.22	
Telephone		518.31	
Water		891.77	
All Other Expenses		38.65	
		<hr/>	\$ 21,558.45
Returned to Treasury			9.44
			<hr/>
	\$		21,567.89

FISH AND GAME WARDEN

Appropriation	\$	150.00
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Expended

Salary :

To John B. Kenefick, Warden	\$	150.00
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FOURTH OF JULY

Appropriation	\$	1,000.00
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Balance to 1928	\$	1,000.00
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GENERAL EXPENSES

Appropriation	\$	4,000.00
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Expended

For Bonding Renewals	\$	1,487.50
Office Expense, Printing and Binding		1,677.91
Repairs		144.59
Transportation		119.35
Various Celebrations		433.60
All Other Expenses		112.58
	<hr/>	
	\$	3,975.53

Returned to Treasury		24.47
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	<hr/>	
\$		4,000.00

HEALTH—ASHES AND WASTE

Appropriation—Salaries and Wages	\$	89,341.00
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Expended

Wages :

To Labor	\$	89,262.20
	<hr/>	
	\$	89,262.20

Returned to Treasury		78.80
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\$		89,341.00

Appropriation—Expenses and Supplies	\$	14,000.00
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Expended

For Auto Expense	\$	289.00
Equipment and Hardware		797.90
Horse Hire		527.75
Horse Feed		11,008.27
Laundry		312.00
Office Expense and Printing		29.78
Transportation		350.00

HEALTH—ASHES AND WASTE—Continued

Veterinary Service and Medicine	287.60	
All Other Expenses	36.94	
	<hr/>	\$ 13,639.24
Returned to Treasury		360.76
		<hr/>
	\$	14,000.00

HEALTH—MILK AND VINEGAR

Appropriation—Salaries and Wages	\$ 6,912.19
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Expended

Salaries :		
To Melvin F. Master, Inspector	\$ 2,999.69	
Collector	2,086.67	
Technician	1,825.83	
	<hr/>	\$ 6,912.19
Appropriation—Expenses and Supplies	\$ 2,000.00	

Expended

For Auto Expense	\$ 132.08	
Laboratory Expense	756.35	
Office Expense, Printing	431.44	
Transportation	509.81	
All Other Expenses	34.84	
	<hr/>	\$ 1,864.52
Returned to Treasury		135.48
		<hr/>
	\$	2,000.00

HEALTH OFFICE

Appropriation—Salaries and Wages	\$ 32,976.45
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Expended

Salaries :		
To Board of Health	\$ 2,100.00	
Francis J. O'Hare, Agent	2,665.02	
James Y. Rodger, Bacteriologist	1,000.00	
All Other Services	26,731.87	
	<hr/>	\$ 32,496.89
Returned to Treasury		479.56
		<hr/>
	\$	32,976.45
Appropriation—Expenses and Supplies	\$ 14,745.22	

CITY AUDITOR'S REPORT

HEALTH OFFICE—Continued

Expended

For Advertising and Printing	\$	627.57	
Auto Expense		102.89	
Ambulance Service		3,337.97	
Burials		60.00	
Clinic Supplies		330.57	
Contagious Diseases		353.44	
Drugs and Medicine		146.69	
Hospital Treatment		5,933.31	
Laboratory Supplies		180.04	
Laundry		128.36	
Medical Services and Supplies		1,190.56	
Office Expense		579.22	
Provisions		216.30	
Transportation		1,104.61	
All Other Expenses		95.95	
		<hr/>	\$ 14,387.48
Returned to Treasury			357.74
			<hr/>
			\$ 14,745.22

HEALTH—DIVISION OF SCHOOL HYGIENE

Appropriation—Salaries and Wages,\$ 24,236.80

Expended

Salaries:

To Doctors and Nurses\$ 24,236.80

Appropriation—Expenses and Supplies\$ 2,706.85

Expended

For Auto Expenses	\$	239.48	
Dental Clinic Supplies		522.44	
Children's Camp		103.05	
Laundry		87.41	
Nurses' Supplies		16.71	
Office Expense, Printing		287.16	
Provisions		485.06	
Transportation		782.00	
All Other Expenses		34.91	
		<hr/>	\$ 2,558.22
Returned to Treasury			148.63
			<hr/>
			\$ 2,706.85

HEALTH—SCHOOL HYGIENE—SUMMER CAMP

Appropriation	\$	600.00
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Expended

Wages:

To Labor	\$	476.80	
		<hr/>	\$ 476.80
Returned to Treasury			123.20
		<hr/>	
	\$		600.00

HEALTH—SURVEY BOARD

Appropriation	\$	500.00
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Expended

For Printing	\$	98.50	
Professional Services		285.00	
Stenographic Services		74.25	
All Other Expenses		17.05	
		<hr/>	\$ 474.80
Returned to Treasury			25.20
		<hr/>	
	\$		500.00
Returned to Treasury			25.20

HEALTH YARD

Appropriation—Salaries and Wages	\$	55,659.00
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Expended

Wages:

To Labor	\$	55,643.50	
		<hr/>	\$ 55,643.50
Returned to Treasury			15.50
		<hr/>	
	\$		55,659.00
Appropriation—Expenses and Supplies	\$	4,550.75	

Expended

For Blacksmiths' Supplies	\$	776.51
Fuel		547.76

CITY AUDITOR'S REPORT

HEALTH YARD—Continued

Hardware	131.03	
Hay, Grain, etc.,	1,307.22	
Harness and Stable Supplies	759.26	
Horse Hire	244.00	
Laundry	156.00	
Lighting	226.38	
Lumber	37.50	
Veterinary Services	82.50	
Water	158.39	
All Other Expenses	87.20	
	<hr/>	\$ 4,513.75
Returned to Treasury		37.00
		<hr/>
		\$ 4,550.75

INSURANCE

Appropriation	\$ 25,142.50
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Expended

To Various Persons and Firms	\$ 25,127.30	
	<hr/>	\$ 25,127.30
Returned to Treasury		15.20
		<hr/>
		\$ 25,142.50

INTEREST—CURRENT

Balance from 1926	\$ 1,055.90	
Appropriation 1927	83,500.00	
	<hr/>	\$ 84,555.90

Expended

To Interest Current	\$ 59,313.47	
	<hr/>	\$ 59,313.47
Returned to Treasury		25,242.43
		<hr/>
		\$ 84,555.90

INTEREST—FIXED CHARGE

Appropriation	\$	243,601.74
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Expended

To Interest—Fixed Charge	\$	243,601.74
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ISOLATION HOSPITAL

Appropriation—Salaries and Wages	\$	38,000.00
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Expended

Salaries and Wages:

To Forster H. Smith, Supt.	\$	2,000.00
Physicians		1,500.00
Clerk		1,304.17
Wages		33,151.75
	\$	37,955.92
Returned to Treasury		44.08

	\$	38,000.00
Appropriation—Expenses and Supplies	\$	30,644.37

Expended

For Auto Expense, Transportation	\$	237.68
Dental and Medical Services		55.00
Drugs and Chemicals		2,056.59
Dry Goods and Clothing		343.14
Equipment, Hardware		2,133.69
Fuel, Light and Power		7,921.66
Groceries and Provisions		16,076.47
Laundry		122.51
Office Expenses, Printing		508.86
Water and Ice		1,069.77
All Other Expenses		6.46
	\$	30,531.83
Returned to Treasury		112.54
	\$	30,644.37

LABOR DAY

Appropriation	\$	1,000.00
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Expended

For Band	\$	458.00	
Banquet		66.25	
Decorating and Printing		182.00	
Sports		243.00	
Transportation		50.00	
		<u>999.25</u>	
Returned to Treasury75	
	\$		1,000.00

LABOR REGISTRAR

Appropriation—Salaries and Wages	\$	1,000.00
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Expended

Salary :		
To Patrick J. Reynolds, Registrar	\$	1,000.00

Expended

Appropriation—Expended and Supplies	\$	100.00
For Office Supplies	\$	96.45
		<u>96.45</u>
Returned to Treasury		3.55
	\$	<u>100.00</u>

LIBRARY

Appropriation—Salaries and Wages	\$	23,400.00
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Expended

Salaries :		
To Frederick A. Chase, Librarian	\$	3,100.00
All Other Services		20,300.00
		<u>23,400.00</u>
Appropriation—Expenses and Supplies	\$	7,105.05

CITY AUDITOR'S REPORT

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LIBRARY—Continued

Expended

For Binding	\$ 1,351.99	
Books	397.44	
Equipment and Hardware	569.71	
Lighting	1,244.50	
Magazines, Newspapers and Periodicals	885.65	
Office Expense	1,026.69	
Paste	31.16	
Printing	565.05	
Sub-stations	603.81	
Transportation	235.61	
Water	147.93	
All Other Expenses	45.51	
	<hr/>	\$ 7,105.05

LIBRARY—JOHN DAVIS FUND

Balance from 1926	\$ 102.06	
Receipts Year 1927	4,959.57	
	<hr/>	\$ 5,061.63

Expended

For Books	\$ 5,028.48	
Balance to 1928	33.15	
	<hr/>	\$ 5,061.63

LICENSE COMMISSION

Appropriation—Salaries and Wages	\$ 5,021.58
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Expended

Salaries:		
To James B. Casey, License Commissioner	\$ 900.00	
Joseph H. McGrath, License Commissioner ..	850.00	
James H. Rooney, License Commissioner	850.00	
Clerk	2,421.58	
	<hr/>	\$ 5,021.58
Appropriation—Expenses and Supplies	\$ 200.00	

CITY AUDITOR'S REPORT

LICENSE COMMISSION—Continued

Expended

For Advertising	\$	11.13	
Binding and Printing		63.00	
Office Expense		86.97	
Stenographic Services		36.00	
		<hr/>	
		\$	197.10
Returned to Treasury			2.90
		<hr/>	
	\$		200.00

LIQUOR LICENSES

Appropriation	\$	4.75
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Expended

To Commonwealth of Massachusetts	\$	4.75
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LOWELL CENTENNIAL CELEBRATION

Balance from 1926	\$	1,148.65
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Expended

For Services	\$	133.20
Balance to 1928		1,015.45
	<hr/>	
	\$	1,148.65

MAYOR'S DEPARTMENT—AUTO

Appropriation	\$	2,000.00
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Expended

For Automobile	\$	1,990.00
Returned to Treasury		10.00
	<hr/>	
	\$	2,000.00

MAYOR'S DEPARTMENT

Appropriation—Salaries and Wages	\$	10,500.00
To Thomas J. Corbett, Mayor	\$	5,000.00
William Sullivan, Secretary		2,340.00
Clerical Services		1,300.00

MAYOR'S DEPARTMENT—Continued

Chauffeur and Messenger	1,683.00	
	<hr/>	\$ 10,323.00
Returned to Treasury		177.00
		<hr/>
	\$	10,500.00
Appropriation—Expenses and Supplies	\$	1,000.00
Expended		
For Auto Expense	\$ 491.36	
Office Expense	342.68	
Printing and Binding	164.65	
	<hr/>	\$ 998.69
Returned to Treasury		1.31
		<hr/>
	\$	1,000.00

MEMORIAL DAY—AMERICAN LEGION

Appropriation	\$	1,250.00
Expended		
For Flowers and Wreaths	\$ 252.00	
Music and Flags	292.20	
Printing	123.87	
Refreshments	370.00	
Transportation	204.00	
All Other Expenses	6.00	
	<hr/>	\$ 1,248.07
Returned to Treasury		1.93
		<hr/>
	\$	1,250.00

MEMORIAL DAY—F. W. V.

Appropriation	\$	550.00
Expended		
For Printing	\$ 21.75	
Refreshments	236.00	
Services	47.00	
Transportation	36.53	
Wreaths and Music	194.90	
All Other Expenses	13.82	
	<hr/>	\$ 550.00

MEMORIAL DAY—G. A. R.

Appropriation\$ 1,200.00

Expended

For Flowers and Wreaths	\$ 71.50	
Music and Flags	552.40	
Printing	143.49	
Refreshments	52.68	
Transportation	150.00	
All Other Expenses	213.30	
	<hr/>	\$ 1,183.37
Returned to Treasury		16.63
		<hr/>
	\$	1,200.00

MEMORIAL DAY—S. W. V.

Appropriation \$ 600.00

Expended

For Music	\$ 182.00	
Printing	20.45	
Refreshments	175.00	
Transportation	52.00	
Wreaths and Flowers	31.00	
All Other Expenses	139.55	
	<hr/>	\$ 600.00

MESSENGER

Appropriation—Salaries and Wages\$ 2,400.00

Expended

Salary :		
To Owen A. Monahan, Messenger	\$ 2,400.00	
Appropriation—Expenses and Supplies	\$ 75.00	

Expended

For Office Expense	\$ 74.61	
	<hr/>	\$ 74.61
Returned to Treasury .....		.39
		<hr/>
	\$	75.00

MOTH EXTERMINATION

Appropriation—Salaries and Wages\$ 6,522.31

Expended

Salaries :

To John G. Gordon, Supt.\$ 1,932.00
 All Other Services 4,590.25
\$ 6,522.25
 Returned to Treasury06

.....\$ 6,522.31
 Appropriation—Expenses and Supplies\$ 1,198.69

Expended

For Arsenate of Lead\$ 404.25
 Auto Expense 197.61
 Equipment, Hardware 284.04
 Office Expense 104.62
 Transportation 207.65
\$ 1,198.17
 Returned to Treasury52
\$ 1,198.69

PAINTING TRAFFIC LINES

Appropriation\$ 1,500.00

Expended

Wages :
 To Labor\$ 1,225.00
 Other Expenses :
 For Paint 272.50
\$ 1,497.50
 Returned to Treasury 2.50
\$ 1,500.00

PARKS—GENERAL

Appropriation—Salaries and Wages\$ 58,579.98

CITY AUDITOR'S REPORT

PARKS—GENERAL—Continued

Expended

Salaries :

To John W. Kernan, Superintendent	\$ 4,000.00	
Playgrounds	4,609.85	
All Other Salaries and Wages	49,944.53	
		\$ 58,554.38
Returned to Treasury		25.60
		\$ 58,579.98
Appropriation—Expenses and Supplies		20,031.17

Expended

For Animal Expense	\$ 121.30	
Auto Expense	728.12	
Broken Stone, Binder, Cinders, Sand and Filling	4,846.96	
Equipment and Hardware	1,603.99	
Hay, Grain, etc.,	201.55	
Lighting	702.10	
Lumber	184.49	
Moving Picture Expense	268.00	
Office Expense, Printing	642.83	
Plants, Shrubs, etc.,	879.00	
Playground Expenses	4,821.84	
Police Officers	760.00	
Rent of Land	123.00	
Repairs	1,082.69	
Services	242.39	
Teaming	2,382.40	
All Other Expenses	40.40	
		\$ 19,631.06
Returned to Treasury .....		.11
Balance to 1928		400.00
		\$ 20,031.17

PARKS—FREEMAN B. SHEDD BEQUEST

Balance from 1926	\$ 15,609.61
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Expended

For Contracts	\$ 15,316.64
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PARKS—FREEMAN B. SHEDD BEQUEST—Continued

Installing Water Pipe	207.32	
All Other Expenses	33.30	
	<u> </u>	\$ 15,557.26
Balance to 1928		52.35
		<u> </u>
		\$ 15,609.61

PLANNING BOARD

Appropriation		\$ 145.00
Expended		
For Office Expense	\$ 17.00	
Printing	18.00	
	<u> </u>	\$ 35.00
Returned to Treasury		110.00
		<u> </u>
		\$ 145.00

PLAYGROUND—SOUTH LOWELL

Balance from 1926	\$ 200.00
Expended	
For Execution of Court	\$ 200.00

POLICE—AUTO

Appropriation	\$ 2,000.00
For Automobile	\$ 1,995.00
	<u> </u>
Returned to Treasury	5.00
	<u> </u>
	\$ 2,000.00

POLICE DEPARTMENT

Appropriation—Salaries and Wages\$ 393,780.72

Expended

Salaries and Wages:

To Chief of Police	\$ 3,500.00	
All Other Salaries and Wages	371,970.01	
Pensions	11,649.08	
	<hr/>	\$ 387,119.09
Returned to Treasury		6,661.63
		<hr/>
		\$ 393,780.72

Appropriation—Expenses and Supplies\$ 9,843.32

Expended

For Auto Expense and Transportation	\$ 2,140.71	
Claims	394.00	
Equipment and Hardware	1,021.35	
Fuel	1,301.23	
Laundry	77.74	
Lighting	769.07	
Motorcycle Repairs and Supplies	505.68	
Office Supplies, Printing and Binding	1,425.21	
Repairs	528.40	
Telephone and Telegraph	360.43	
Traffic Uniforms	606.00	
Water and Ice	382.92	
All Other Expenses	25.51	
	<hr/>	\$ 9,538.25
Balance to 1928		302.50
Returned to Treasury		2.57
		<hr/>
		\$ 9,843.32

POUND KEEPER

Appropriation\$ 5.00

Expended

Salary:

To A. B. Humphreys, Pound Keeper	\$ 5.00
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PREPARING, CERTIFYING AND MARKETING BONDS

Appropriation	\$	1,700.00
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Expended

To First National Bank of Boston	\$	1,700.00
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PURCHASING AGENTS DEPARTMENT

Appropriation—Salaries and Wages.....	\$	11,140.00
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Expended

Salaries:

To Edward J. Donnelly, Purchasing

Agent	\$	2,500.00
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Inspector		2,080.00
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Clerks		6,530.00
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	\$	11,110.00
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Returned to Treasury		30.00
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	\$	11,140.00
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Appropriation—Expenses and Supplies	\$	1,620.00
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Expended

For Advertising	\$	403.35
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Auto Expense		375.24
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Binding, Printing		395.25
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Office Expense		370.28
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All Other Expenses		75.10
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	\$	1,619.22
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Returned to Treasury78
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	\$	1,620.00
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RIFLE RANGE

Appropriation—Salaries and Wages	\$	1,248.00
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Expended

To Thomas Sexton, Keeper	\$	1,248.00
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Appropriation—Expenses and Supplies	\$	1,000.00
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CITY AUDITOR'S REPORT

RIFLE RANGE—Continued

Expended

For Equipment and Repairs	\$	929.04	
Telephone		70.61	
		<hr/>	\$ 999.65
Returned to Treasury .....			.35
			<hr/>
	\$		1,000.00

SAFETY GUARD CHELMSFORD STREET BRIDGE

Balance from 1926	\$	3,100.00	
Wages:			
To Labor	\$	295.68	
Other Expenses:			
For Assistant Engineers' Services		478.00	
Safety Guard		1,975.00	
All Other Expenses		6.39	
		<hr/>	\$ 2,755.07
Returned to Treasury			344.93
			<hr/>
	\$		3,100.00

SCHOOLS—GENERAL

Appropriation—Salaries and Wages	\$	1,212,535.00
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Expended

Salaries and Wages:			
To Hugh J. Molloy, Superintendent	\$	7,000.00	
Pensions		499.92	
All Other Salaries and Wages		1,201,482.58	
		<hr/>	\$ 1,208,982.50
Returned to Treasury			3,552.50
			<hr/>
	\$		1,212,535.00
Appropriation—Expenses and Supplies	\$		123,557.65

Expended

For Auto Expense	\$	2,943.75
Board Truants Training School		1,061.14

SCHOOLS—GENERAL—Continued

Drugs, Chemicals, etc.,	336.37	
Electrical Repairs	1,398.53	
Fuel, Light and Power	59,133.78	
Furniture and Furnishings	1,087.27	
General Repairs	8,196.62	
Graduation Expenses	336.87	
Janitors' Supplies	933.19	
Laundry	2,489.96	
Manual Training and Cooking	6,143.78	
Office Expense	289.73	
Paper, Pens, Pencils, etc.,	8,442.87	
Physical Training	1,969.45	
Printing and Binding	3,578.35	
Rent of Land and Property	2,007.00	
Sewing Expenses	713.88	
Telephones	1,889.57	
Test and Reference Books	5,890.24	
Transportation of Pupils	5,091.32	
Travelling Expenses for Faculty, etc.,	714.49	
Typewriter Expenses	422.46	
Water and Ice	6,628.83	
Police Officers	90.00	
All Other Expenses	574.01	
	<hr/>	\$ 122,363.46
Returned to Treasury		1,194.19
		<hr/>
		\$ 123,557.65

SCHOOLS VOCATIONAL

Appropriation—Salaries and Wages	\$ 85,020.00
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Expended

Salaries and Wages:

To Janitors	\$ 5,250.00	
Teachers	78,617.33	
	<hr/>	\$ 83,867.33
Returned to Treasury		1,152.67
		<hr/>
		\$ 85,020.00
Appropriation—Expenses and Supplies	\$ 15,000.00	

SCHOOLS—VOCATIONAL—Continued

Expended

For Auto Expense	\$	425.03	
Sewing Supplies		426.06	
Electrical Repairs and Supplies		947.72	
Equipment and Hardware		1,295.73	
Fuel and Light		1,983.48	
Groceries and Provisions		3,586.32	
Laundry		964.07	
Lumber		785.10	
Machinery, Tools, etc.,		221.63	
Office Supplies, Printing		725.50	
Test and Reference Books		73.69	
Transportation		175.67	
Hairdressing Expenses		51.54	
All Other Expenses		107.00	
		<hr/>	
		\$	11,768.54
Returned to Treasury			3,231.46
			<hr/>
		\$	15,000.00

SMITH HUGHES FUND

Receipts\$ 11,357.62

Expended

Salaries:
To Various Persons\$ 11,357.62

SEALER OF WEIGHTS AND MEASURES

Appropriation—Salaries and Wages\$ 8,212.74

Expended

Salaries:
To Warren P. Riordan, Sealer\$ 2,500.00
All Other Services5,712.16

\$ 8,212.16
Returned to Treasury58

\$ 8,212.74
Appropriation—Expenses and Supplies\$ 1,007.54

SEALER OF WEIGHTS AND MEASURES—Continued

Expended

For Office Expense	\$	303.19	
Truck Expenses		436.98	
Working Standards and Tools		159.65	
All Other Expenses		31.78	
		<hr/>	\$ 931.60
Returned to Treasury			75.94
			<hr/>
	\$		1,007.54

SEWER MAINTENANCE

Appropriation—Salaries and Wages	\$	24,853.02
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Expended

Wages:			
To Labor	\$	24,659.88	
		<hr/>	\$ 24,659.88
Returned to Treasury			193.14
			<hr/>
	\$		24,853.02
Appropriation—Expenses and Supplies	\$	2,500.00	

Expended

For Auto Expense	\$	768.64	
Equipment, Hardware		736.36	
Fuel, Light and Power		171.51	
Repairs		146.60	
Services of Assistants		532.18	
All Other Expenses		109.16	
		<hr/>	\$ 2,464.45
Returned to Treasury			35.55
			<hr/>
	\$		2,500.00

SIDEWALKS—NEW

Appropriation—Salaries and Wages	\$	8,000.00
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Expended

Wages:			
To Labor	\$	8,000.00	
Appropriation—Expenses and Supplies	\$	12,000.75	

CITY AUDITOR'S REPORT

SIDEWALKS—NEW—Continued

Expended

For Edgestone	\$	11,073.81	
Granolithic		372.29	
Services of Assistants		537.35	
All Other Expenses		16.55	
		<hr/>	\$ 12,000.00
Returned to Treasury75
			<hr/>
	\$		12,000.75

SMOKE INSPECTION

Appropriation—Salaries and Wages	\$	500.00
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Expended

Salary:		
To Charles J. Riley	\$	500.00
Appropriation—Expenses and Supplies	\$	10.00

Expended

For Transportation	\$	5.00	
		<hr/>	5.00
Returned to Treasury			5.00
			<hr/>
	\$		10.00

SOLDIERS' BENEFITS

Appropriation—Salaries and Wages	\$	4,250.00
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Expended

Salaries :		
To William A. Arnold, Superintendent	\$	280.10
George E. Crotty, successor to Mr. Arnold	\$	753.85
All Other Services		3,050.00
		<hr/>
	\$	4,083.95
Returned to Treasury		116.05
		<hr/>
	\$	4,250.00
Appropriation—Expenses and Supplies	\$	39,739.03

SOLDIERS' BENEFITS—Continued

Expended

For Office Expenses	\$	173.77	
Transportation		440.95	
Military Aid:			
To Various Persons		3,050.00	
Soldiers' Relief:			
For Aid, Various Persons		26,155.00	
Board and Care		90.00	
Burials		29.03	
Fuel		689.73	
Groceries and Provisions		5,131.88	
Medicine and Medical Services		162.18	
State Aid:			
To Various Persons		3,816.00	
		<hr/>	\$ 39,738.54
Returned to Treasury49
			<hr/>
	\$		39,739.03

SOLDIERS' GRAVES

Appropriation	\$	1,000.00
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Expended

For Care of Graves	\$	998.97	
		<hr/>	\$ 998.97
Returned to Treasury			1.03
			<hr/>
	\$		1,000.00

SOLICITOR

Appropriation—Salaries and Wages	\$	9,077.00
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Expended

Salaries:			
To Joseph P. Donahue, City Solicitor	\$	3,200.00	
Henry P. Kelly, Claim Agent		2,500.00	
Clerical Services		3,377.00	
		<hr/>	\$ 9,077.00
Appropriation—Expenses and Supplies	\$		1,002.75

CITY AUDITOR'S REPORT

SOLICITOR—Continued

Expended

For Binding and Printing	\$	144.00	
Books		296.50	
Office Expense		403.08	
Transportation, Travelling Expenses		154.96	
	\$		998.54
Returned to Treasury			4.21
	\$		<u>1,002.75</u>

SOLICITOR—COLLECTION OF BILLS

Appropriation	\$	500.00
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Expended

For Constables' Services	\$	35.90	
		<u>35.90</u>	
Balance to 1928			464.10
	\$		<u>500.00</u>

SOLICITOR—GAS AND ELECTRIC LIGHTING
INVESTIGATION

Appropriation	\$	5,000.00
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Expended

For Clerical Services and Travelling Expenses	\$	372.46	
Balance to 1928		<u>4,627.54</u>	
	\$		5,000.00

SOLICITOR—TAX CASES

Balance from 1926	\$	2,885.42	
Appropriation 1927		<u>5,000.00</u>	
	\$		7,885.42

SOLICITOR—TAX CASES—Continued

Expended

For Travelling Expenses	\$ 11.90	
	<u> </u>	\$ 11.90
Balance to 1928		7,873.52
		<u> </u>
	\$	7,885.42

STREET LIGHTING

Appropriation	\$ 170,000.00
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Expended

Wages :		
To Labor'	\$ 1,075.93	
Other Expenses :		
For Electric Lighting	131,440.31	
Gas Lighting	31,923.40	
Lighting Investigation Contract	750.00	
Transportation, Travelling Expenses	198.93	
All Other Expenses	172.33	
	<u> </u>	\$ 165,560.90
Returned to Treasury		4,439.10
		<u> </u>
	\$	170,000.00

STREET MAINTENANCE

Appropriation—Salaries and Wages	\$ 181,223.86
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Salaries :

To Henry P. Doherty, Superintendent	\$ 3,600.00	
Clerical Services	9,704.59	
Pensions	1,511.95	
Labor	165,418.42	
	<u> </u>	\$ 180,234.96
Returned to Treasury		988.90

	\$ 181,223.86	
Appropriation—Expenses and Supplies	\$ 74,727.72	
Balance from 1926	\$ 356.25	
Appropriation 1927	74,371.47	
	<u> </u>	\$ 74,727.72

STREET MAINTENANCE—Continued

Expended

For Auto Expenses	\$ 17,093.53	
Cinders, Sand, Stone, Gravel	11,067.47	
Cold Patch	5,365.28	
Fuel	1,038.96	
Hardware and Equipment	6,944.44	
Harness and Stable Supplies	612.67	
Horse Feed	10,974.29	
Medicine and Veterinary Services	308.35	
Laundry	164.70	
Lighting	1,089.13	
Lime, Brick and Cement	2,212.39	
Lumber	644.82	
Office Supplies, Printing	1,657.27	
Plowing Expenses	6,942.50	
Repairs	2,686.36	
Services of Assistants	2,855.99	
Teaming	152.75	
Transportation	629.63	
Water	1,318.41	
All Other Expenses	66.55	
	—————\$	73,825.49
Returned to Treasury		902.23
		<u>74,727.72</u>

STREETS—EXTENSION OF FIFTH AVENUE

Balance from 1926\$ 2,958.25

Expended

Wages:
To Labor\$ 2,958.25

STREET SPRINKLING

Appropriation—Salaries and Wages\$ 6,028.81

Expended

Wages:
To Labor\$ 6,028.81
Appropriation—Expenses and Supplies
Balance from 1926\$ 785.84
Appropriation 192723,356.16
—————\$ 24,142.00

CITY AUDITOR'S REPORT
STREET SPRINKLING—Continued

83

Expended

For Advertising and Printing	\$ 51.75	
Oil and Applying Oil	8,841.20	
Water and Sand	15,230.05	
All Other Expenses	19.00	
	<hr/>	\$ 24,142.00

TAXES—CORPORATION

Appropriation	\$ 12,635.14
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Expended

To Commonwealth of Massachusetts	\$ 12,635.14
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TAXES—COUNTY

Appropriation	\$ 259,232.65
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Expended

To Middlesex County	\$ 259,232.65
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TAXES—STATE

Appropriation	\$ 297,240.00
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Expended

To Commonwealth of Massachusetts	\$ 297,240.00
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TAXES—STATE AUDIT MUNICIPAL ACCOUNTS

Appropriation	\$ 851.99
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Expended

To Commonwealth of Massachusetts	\$ 851.99
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TAXES—STATE HIGHWAY

Appropriation	\$ 1,706.01
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Expended

To Commonwealth of Massachusetts	\$ 1,706.01
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TAXES—VETERANS' EXEMPTION

Appropriation	\$	319.25
Expended		
To Commonwealth of Massachusetts	\$	319.25

TEXTILE SCHOOL

Appropriation	\$	10,000.00
Expended		
To Commonwealth of Massachusetts	\$	10,000.00

TREASURER AND COLLECTOR'S DEPARTMENT

Appropriation—Salaries and Wages	\$	21,856.00
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Expended

Salaries:

To Fred H. Rourke, Treasurer and Collector	\$	3,500.00
Clerks		17,663.00
Writing Tax Bills		693.00
	\$	21,856.00
Appropriation—Expenses and Supplies	\$	5,859.00

Expended

For Advertising	\$	1,270.64
Expenses—Bonds		515.00
Office Expense		1,008.20
Postage Stamps		2,006.00
Printing, Binding		974.55
All Other Expenses		82.95
	\$	5,857.34
Returned to Treasury		1.66
	\$	5,859.00

TREASURER—ADVERTISING

Appropriation	\$	774.16
Expended		
For Advertising	\$	774.16

WATER DEPARTMENT

Appropriation—Salaries and Wages\$ 229,000.00

Expended

Salaries:

To James H. Reynolds, Superintendent	\$ 657.54	
Thomas P. McDermott, successor to Mr.		
Reynolds	2,568.38	
All Other Salaries and Wages	224,726.28	
Pensions	1,037.80	
	<hr/>	\$ 228,990.00
Returned to Treasury		10.00

\$ 229,000.00

Appropriation—Expenses and Supplies\$ 111,000.00

Expended

For Auto Expenses	\$ 6,188.83	
Equipment, Hardware	4,536.67	
Fuel	34,643.02	
Gates and Hydrants	3,835.49	
Insurance	2,842.03	
Lumber	639.84	
Meters and Fittings	7,447.04	
Office Expense, Printing	2,401.16	
Oil, Packing, Waste	1,360.93	
Pipe and Fittings	6,909.71	
Refunds	449.77	
Repairs	3,058.94	
Services of Assistants	2,648.04	
Transportation	990.92	
Water Works Debt Payment	25,400.00	
Water Works Interest Payment	7,581.25	
All Other Expenses	66.06	
	<hr/>	\$ 110,999.70
Returned to Treasury .....		.30
		<hr/>
	\$	111,000.00

WEIGHER

Appropriation—Salaries and Wages\$ 1,400.00

CITY AUDITOR'S REPORT

WEIGHER—Continued

Expended

Salary:

To George W. Enwright	\$	1,373.16
Returned to Treasury		26.84

	\$	1,400.00
Appropriation—Expenses and Supplies	\$	25.00

Expended

For Office Expense and Printing	\$	24.50
	\$	24.50
Returned to Treasury50
	\$	25.00

WIRE DEPARTMENT

Appropriation—Salaries and Wages	\$	4,785.82
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Expended

Salaries:

To Charles L. Gallagher, Wire Inspector	\$	2,500.00
All Other Services		2,285.82
	\$	4,785.82
Appropriation—Expenses and Supplies	\$	825.00

Expended

For Auto Expense and Transportation	\$	344.39
Office Supplies and Printing		464.93
All Other Expenses		13.05
	\$	822.37
Returned to Treasury		2.63
	\$	825.00

WORKMEN'S COMPENSATION

Appropriation	\$	9,021.43
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Expended

To Various Persons (Compensation)	\$	7,119.41
Medical Treatment		1,605.69
All Other Expenses		294.50
	\$	9,019.60
Returned to Treasury		1.83
	\$	9,021.43

CLASSIFICATION OF
Departmental Expenses
Non-Revenue

CITY AUDITOR'S REPORT

BRIDGE CONSTRUCTION

Balance from 1926	\$	59.59
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Expended

Wages:

To Labor	\$	59.59
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FIRE EQUIPMENT LOAN

Balance from 1926	\$	824.07
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Balance to 1928	\$	824.07
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OAKLAND FIRE HOUSE

Balance from 1926	\$	60.91
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Balance to 1928	\$	60.91
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FIRST STREET EXTENSION

Balance from 1926	\$	6,711.51
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Balance to 1928	\$	6,711.51
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MACADAMIZING

Balance from 1926	\$	18.67
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Appropriation	\$	281,190.03
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	\$	281,208.70
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Expended

Wages:

To Labor	\$	79,229.58
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Other Expenses:

For Asphalt, Concrete	\$	159,959.43
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Cement	654.50
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Crushed Stone and Sand	11,597.69
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Lumber	244.75
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Printing and Advertising	218.86
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Services of Assistants	8,279.58
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Teaming, Use of Equipment	14,666.03
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All Other Expenses	292.65
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	\$	275,143.07
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Balance to 1928	\$	6,065.63
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\$	281,208.70
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MEMORIAL AUDITORIUM

Balance from 1926	\$	223.35
Balance to 1928	\$	223.35

MEMORIAL AUDITORIUM—ADDITIONAL LOAN

Balance from 1926	\$	440.78
Balance to 1928	\$	440.78

PARKS—ANNE STREET

Balance from 1926	\$	709.04
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Expended

For Services	\$	709.04
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PARKS—AYER FIELD

Balance from 1926	\$	54.30
Balance to 1928	\$	54.30

PARKS—RIVERSIDE STREET

Balance from 1926	\$	4,487.68
Balance to 1928	\$	4,487.68

PAVING

Balance from 1926	\$	21.32
Appropriation		68,869.12
	\$	69,890.44

Expended

Wages:		
To Labor	\$	38,354.57
Other Expenses:		
For Cement and Gravel		7,417.20
Crushed Stone, Edgestone		2,004.08
Equipment and Hardware		12,005.04
Lumber		282.46
Printing		124.80

CITY AUDITOR'S REPORT

PAVING—Continued

Land	1,186.90	
Services of Assistants	1,191.82	
Teaming, Transportation	2,488.22	
Use of Equipment	3,730.52	
All Other Expenses	51.20	
	<hr/>	\$ 68,836.81
Balance to 1928		53.63
		<hr/>
		\$ 68,890.44

PLAYGROUNDS—GENERAL

Balance from 1926	\$ 1,096.33
Balance to 1928	\$ 1,096.33

PLAYGROUNDS—MOREY STREET

Balance from 1926	\$ 4,674.26
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Expended

For Services	\$ 50.00	
Settlement, Land Damage	2,200.00	
All Other expenses	1.15	
	<hr/>	\$ 2,251.15
Balance to 1928		2,423.11
		<hr/>
		\$ 4,674.26

PLAYGROUNDS—JOHN J. O'DONNELL

Balance from 1926	\$ 41.08
Balance to 1928	\$ 41.08

PUBLIC BATH AND COMFORT STATION

Balance from 1926	\$ 48.50
Balance to 1928	\$ 48.50

SCHOOL HOUSES—GENERAL

Balance from 1926	\$	424.43
Balance to 1928	\$	424.43

SCHOOL HOUSES—NEW HIGH

Balance from 1926	\$	110.73
Balance to 1928	\$	110.73

SEWER CONSTRUCTION

Balance from 1926	\$	23,882.99
Appropriation		96,898.53
	—————\$	120,781.52

Expended

Wages:		
To Labor	\$	88,302.74
Other Expenses		
For Auto Expenses		1,389.19
Brick		5,646.19
Castings		4,592.64
Cement		1,832.34
Coal		1,100.12
Dynamite		297.00
Equipment and Hardware		2,959.99
Gasoline		39.50
Lumber		357.45
Pipe and Fittings		5,130.04
Printing		112.80
Repairs		580.59
Services of Assistants		3,722.46
Transportation		87.72
All Other Expenses		120.19
	—————\$	116,270.96
Balance to 1928		4,510.56
	\$	120,781.52

SEWERS—OAKLAND MAIN

Balance from 1926	\$	1,037.79
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Expended

Wages:		
To Labor	\$	1,037.79

WATER MAIN LOAN 1925

Balance from 1926	\$	290.63
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Expended

Wages:

To Labor	\$	290.63
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WATER DEPARTMENT EQUIPMENT LOAN 1927

Appropriation	\$	25,000.00
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Expended

Wages:

To Labor	\$	14,125.83
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Other Expenses

For Auto Expenses	47.48
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Equipment, Hardware	112.21
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Lumber	332.45
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Oil, Packing, Waste	32.35
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Pipe and Fittings	1,750.47
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Repairs	188.90
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All Other Expenses	31.00
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	<u>\$</u>	16,620.69
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Balance to 1928		8,379.31
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	<u>\$</u>	25,000.00
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Funds

CARNEY MEDAL FUND

CEMETERY PERPETUAL CARE FUND

DAVIS, JOHN FUND

NESMITH, THOMAS FUND

STACKPOLE, JOSEPH HENRY

TYLER, JONATHAN

WRIGHT, HAPGOOD

CARNEY MEDAL FUND

FUND

On hand January 1, 1927	\$	200.00
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INCOME

On hand January 1, 1927	\$	9.09
Income earned 1927	9.09	18.18

On Hand December 31, 1927	\$	218.18
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CEMETERY PERPETUAL CARE FUND

FUND

On hand January 1, 1927	\$	219,662.59
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Receipts for establishment of fund	\$	13,175.00	13,175.00
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	\$	232,837.59
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INCOME

Income earned	9,938.95
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	\$	242,776.54
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Transfer of income to Cemetery Appropriation	6,500.00
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On hand December 31, 1927.....	\$	236,276.54
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JOHN DAVIS LIBRARY FUND

FUND

On Hand January 1, 1927	\$	106,100.00
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Increase in value year 1927	700.00
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INCOME

Income earned	\$	4,959.57
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Transfer of income to Library Appropriation	4,959.57
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On Hand December 31, 1927	\$	106,800.00
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THOMAS NESMITH FUND

FUND

On Hand January 1, 1927	\$	25,000.00
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INCOME

Income earned	1,190.60
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On Hand December 31, 1927	\$	26,190.60
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JOSEPH HENRY STACKPOLE FUND

FUND

On Hand January 1, 1927	\$	1,000.00
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INCOME

Income earned	\$	45.50
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Transfer income to Cemetery Appropriation....		45.50
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On Hand December 31, 1927	\$	1,000.00
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JONATHAN TYLER FUND

FUND

On Hand January 1, 1927	\$	10,000.00
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INCOME

On Hand January 1, 1927	\$	374.28
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Income earned		557.34	931.62
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On Hand December 31, 1927.....	\$	10,931.62
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HAPGOOD WRIGHT CENTENNIAL TRUST FUND

FUND

On Hand January 1, 1927	\$	7,343.79
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INCOME

On Hand January 1, 1927	\$	465.48
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Income earned		355.32	820.80
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On Hand December 31, 1927	\$	8,164.59
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HAPGOOD WRIGHT CENTENNIAL TRUST FUND

Lowell, Mass., January 1, 1928

Gentlemen:

I have the honor to submit the following report of the Hapgood Wright Centennial Trust Fund for the year 1927:

On Hand January 1, 1927	\$	7,809.27
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Received during 1927:

CITY AUDITOR'S REPORT

HAPGOOD WRIGHT CENTENNIAL TRUST FUND—Continued

CASH—Income on Bank Deposits	355.32
On Hand December 31, 1927	\$ 8,164.59
The above amount is invested as follows:	
Washington Savings Institution	\$ 7,071.53
Lowell Institution for Savings	1,093.06
	<hr/>
	\$ 8,164.59
Principal sum in fund	\$ 7,343.79
Accrued Interest	820.80
	<hr/>
	\$ 8,164.59

Respectfully submitted,

FRED H. ROURKE
City Treasurer.

STATEMENT OF THE CITY TREASURER RELATING TO SPECIAL FUNDS FOR CARE OF PUBLIC BURIAL GROUNDS.

Lowell, Mass., January 1, 1928.

To the City Council:

Gentlemen:

I have the honor to submit the following statement of Special Funds in my hands, deposited for perpetual care of lots in the Public Burial Grounds of the City of Lowell.

On Hand January 1, 1927\$ 208,630.00
Received during the year from—

Mrs. Hattie McConnell	\$100.00
Wm. H. Saunders (Margaret Kay)	100.00
Thomas Duckworth (Mrs. Andrew Doyer)	50.00
O'Connell & Fay (James Roddy)	25.00
Sarah A. Bartlett	100.00
Mrs. Elizabeth Ealy	100.00
Trustees Old Ladies Home	600.00
Emily Robinson	100.00
Mrs. Isabelle Barrie	100.00
Sidney T. Aldrich	100.00
Mrs. Mabel B. White	100.00
Mrs. Lettie D. Hill	100.00
Craven Midgeley	100.00
Elizabeth M. Richardson	100.00
Mrs. David True	100.00
William Alexander	100.00
J. F. O'Donnell & Sons (Elizabeth Hovey)	50.00
Elizabeth H. Bickford and Arthur W. Huggard	100.00
Mrs. Lucretia Young	100.00
Mrs. Gordon H. Haith (Coburn lot)	100.00
John C. Weinbeck (James W. Fraser)	50.00
Margaret E. Hird	100.00
Mrs. Fanny Heathcock	100.00
Addie A. Litch	50.00
Lucy Green Taylor	100.00
Harry G. Estabrook	100.00
Mrs. Hattie L. Thompson	100.00
M. H. McDonough (Charles Markarian)	50.00
Samuel A. Greathead	100.00
Paul A. Clark	100.00
James and Mary Ann Stead	100.00
Mrs. Harry C. Hawthorne et als	100.00
Mrs. Rachel L. Shaddock	100.00
Mrs. Sarah Jasper	100.00
Robert E. Hurd	100.00
Mrs. Blanche Manderson	50.00

Kiriakis Christos	100.00
Maud E. Kelley	50.00
James Shallis	100.00
Thomas Blades	100.00
Mrs. Herbert C. Clifford	25.00
Mrs. Susan Boyd	100.00
Harold M. Putnam, Extr.	100.00
Harold M. Putnam, Extr.	100.00
Louise T. Merrill, Admx.	100.00
Esther L. Lovejoy	100.00
William J. Webb, Exr	100.00
Alice A. Blake	200.00
Mrs. E. Goodwin Allen	100.00
Nancy Shepard	100.00
William Croft and William Bell	100.00
Maud A. Nickless	100.00
Addie V Bell	100.00
Margaret Caldwell	25.00
William A. Daniels, Admr	100.00
Mrs. Vivia B. Brown	25.00
Charles O. Hall and Annie M. P. Hall	200.00
Mrs. Eveline Mullin and Edith Candage	100.00
Eliza G. Griffin	100.00
Eugene W. Hunt, Exr.	100.00
Peter J. Hanson	100.00
Hattie L. Brown	50.00
Mrs. Walter Lassonde	25.00
Mrs. Rose Lawton	200.00
Mrs. John E. Thompson	100.00
George W. Hooper	100.00
Sidney C. and Chas. L. Barton, Exrs	100.00
Addie A. Litch	25.00
Lucy Warren Litch	25.00
Frederick W. Sherman	100.00
Margaret Caldwell	25.00
Sarah J. Howorth	75.00
Mrs. Esther J. Hylan, Admr.	50.00
Mrs. Chas. W Conklin	100.00
Haven G. Hill, Exr.	100.00
Mary A. Nichols	150.00
Mrs. Georgianna Smith	100.00
Mary A. Barrett, Admx.	200.00
Wm. V. Babbirk	100.00
Mrs. H. H. Davis	100.00
Mrs. H. H. Davis	100.00
Wm. H. Saunders (J. W. Johnston, et als)	200.00
Wm. H. Saunders (Mrs. Elizabeth Spooner)	50.00
Frank E. Rollins	200.00
Robert Harniston and Henry and Elizabeth H. Worth	100.00
Mrs. Octave P. and Edward H. Romain	100.00
Harry L. Shedd	100.00
Mrs. Rose K. Thomson	100.00
Berry Laycock	100.00
A. S. Kirkland	100.00
Walter S. Hume	100.00

CITY AUDITOR'S REPORT

99

Mrs. S. H. Walton	100.00
Mrs. Adelaide Howe	100.00
Alice M. Henderson	100.00
George F. Ansart	125.00
Wm. Walker	100.00
Alice M. Lovell	100.00
Elizabeth Mitchell, Admx.	100.00
Clayton R. Kimball	100.00
Dr. E. L. Ward	100.00
Eldridge Hutchinson	100.00
Mary E. Wilder	25.00
Higgins Bros. (Blanche Harmon) ..	25.00
Matthew T. and Catherine Powers ..	50.00
H. S. Hutchinson, Exr.	100.00
Mrs. C. H. Clogston	100.00
Edward F. and Jennie G. Emerson ..	100.00
Charles E. Anderson	100.00
William H. Saunders (Alexander Brooke) ..	50.00
Elizabeth S. Bradley	100.00
Grace Liddle Healey	100.00
Mrs. Ethel Scarlott	100.00
Morton V. Lowe	100.00
Thos. Duckworth (Mrs. Ellen E. Lewis) ..	100.00
Mrs. Erma Gaspar Putnam	100.00
William McCartney	100.00
Albert A. Robinson	50.00
Wm. H. Saunders (Mrs. Armand J. L'Hussier) ..	25.00
Ida M. Lapointe	100.00
Est. Ellin Parker, Geo. E. King, Exr.	100.00
Cora E. Lyford and Inez E. Woodward ..	100.00
Henry Geddes	100.00
Frank J. Stone, Exr.	100.00
Hazel W. Lovering	50.00
Hazel W. Lovering	100.00
Joseph Sadowski (Avades Garigosian) ..	25.00
Wm. H. Saunders (Mary J. Whitham) ..	100.00
Adelbert H. Abbott, Admr.	100.00
Charles M. Dupont	100.00
Joseph W. Harrison	100.00
Alexander Macombe	100.00
Nellie Melvin	100.00
Mrs. C. A. Lytle	100.00
Ernest W. and Grace A. Harmon	100.00
Hamper Patetian	25.00
Mrs. Catherine Parrington	100.00
Everett S. Hartwell	100.00
.....	\$ 13,175.00
On Hand December 31, 1927	\$ 221,805.00
Total amount of principal in fund	\$ 221,805.00
Accrued interest, undrawn	14,471.54
Total amount invested	\$ 236,276.54

The above amount is invested as follows:

Old Lowell National Bank (Savings Dept.)	\$ 17,546.62	
Lowell Five Cent Savings Bank	22,931.51	
Washington Savings Institution	28,101.78	
City Institution for Savings	24,603.98	
Lowell Institution for Savings	22,212.32	
Merrimack River Savings Bank	22,931.47	
Mechanics Savings Bank	21,454.63	
Middlesex National Bank (Savings Dept.)	11,776.11	
Central Savings Bank	22,289.50	
Lowell Trust Co (Savings Dept.)	23,986.42	
Wamesit National Bank (Savings Dept.)	18,442.20	
	<hr/>	\$ 236,276.54

Respectfully submitted,

FRED H. ROURKE,
City Treasurer.

ACCOUNT OF THE CITY TREASURER AND COLLECTOR OF TAXES FOR THE YEAR 1927

Lowell, Mass., January 1, 1928.

To the City Council of Lowell:

Gentlemen:

I have the honor to submit the following report of the Receipts and Expenditures of the City of Lowell for the financial year 1927.

MONTHLY RECEIPTS AS FOLLOWS:

January	\$ 567,423.64	
February	126,974.48	
March	1,228,403.16	
April	238,416.66	
May	596,809.78	
June	1,550,470.76	
July	446,082.91	
August	267,300.02	
September	368,385.76	
October	2,569,154.46	
November	1,508,844.77	
December	181,751.93	\$ 9,650,018.33
Cash balance January 1, 1927		498,399.41
		<u>\$10,148,417.74</u>

MONTHLY PAYMENTS AS FOLLOWS:

January	\$ 242,422.60	
February	458,537.59	
March	1,009,992.92	
April	571,173.79	
May	522,099.88	
June	1,561,294.77	
July	492,995.07	
August	441,095.00	
September	401,370.97	
October	481,602.07	
November	2,547,911.78	
December	1,036,747.13	\$ 9,767,243.57
Cash balance December 31, 1927		381,174.17
		<u>\$10,148,417.74</u>

Respectfully submitted

FRED H. ROURKE,
City Treasurer and Collector of Taxes.

General Information

PROPERTY OWNED BY CITY

TABLES

LOANS

TOTAL VALUATION AND CITY DEBT 1927

REAL ESTATE AND PERSONAL PROPERTY OWNED BY THE
CITY OF LOWELL

Items	Land and Buildings	Furniture and other Property	Total
City or Town Hall	\$ 614,550.00	\$ 24,795.00	\$ 639,345.00
Police Department	134,550.00	35,959.00	170,509.00
Fire Department	526,300.00	133,677.42	659,977.42
Armory or Rifle Range	21,900.00		21,900.00
Sealer of Weights and Measures		900.00	900.00
Moth Department		1,800.00	1,800.00
Health Department:			
a. Contagious Disease Hosp.	273,500.00	10,000.00	283,500.00
b. All other		1,185.00	1,185.00
Sewer Department		20,575.00	20,575.00
Refuse Disposal Plant and Equipment		11,625.00	11,625.00
Garbage Disposal Plant and Equipment		3,875.00	3,875.00
Street Cleaning Department		12,635.00	12,635.00
Highway Department		67,336.00	67,336.00
Almhouse or Farm	252,900.00	31,000.00	283,900.00
Schools	4,537,390.00	83,050.00	4,620,440.00
Libraries	362,550.00	90,000.00	452,550.00
Parks Playgrounds, Gymnasias, and Bathhouses	1,022,725.00	8,200.00	1,030,925.00
Other Unproductive Properties:			
a. Lowell Mem. Auditorium	1,074,100.00	57,700.00	1,131,800.00
b. Buildings Department	243,800.00	24,465.00	268,265.00
c. Miscellaneous Real Estate	11,425.00		11,425.00
d. Weigher		275.00	275.00
Electric Light Systems		10,025.00	10,025.00
Water Supply Systems	636,150.00	1,602,276.67	2,238,426.67
Cemeteries	63,700.00	16,000.00	79,700.00
Gross Valuation	\$ 9,775,540.00	\$ 2,247,354.09	\$12,022,894.09
Gross City Debt			5,190,230.00
Excess in Valuation of all City Property over Gross Debt of City of Lowell			\$ 6,832,664.09

PERSONAL PROPERTY OWNED BY THE
CITY OF LOWELL

Auditor :

Furniture in office, etc\$ 1,305.00

Assessors :

Furniture in office, etc 1,100.00

Buildings :

Shops and storehouses 10,500.00
Machinery, tools, etc. 1,270.00
Hardware 140.00
Lumber 500.00
School furnishings 2,000.00
Election property 4,150.00
Coffins, stock and tools 250.00
Stable property 3,180.00
Masons' stock and tools 60.00
Pipers' stock 315.00
Painters stock and tools and unclassified 1,100.00
Office property 1,000.00

Cemetery 16,000.00

Charity :

Outdoor Relief 4,000.00
Hospital 27,000.00

City Clerk :

Furniture in office, etc. 550.90

Election :

Furniture in office, etc. 7,500.00

Engineer :

Furniture in office, etc. 2,560.00
Tools and materials 2,900.00

Fire Department :

Chief's Office 7,619.32
Repair Shop 579.00

CITY AUDITOR'S REPORT

FIRE DEPARTMENT—Continued

Engine Co. No. 1, Gorham Street	8,767.13
“ No. 2, Branch Street	9,389.00
“ No. 3, Palmer Street	7,773.30
“ No. 4, High Street	5,172.50
“ No. 5, Mammoth Road	2,950.90
“ No. 6, Fletcher Street	6,592.60
Hose Co. No. 7, Central Street	2,566.95
“ No. 8, Merrimack Street	2,000.85
“ No. 9, Lincoln Street	2,539.13
“ No. 10, Fourth Street	3,955.30
“ No. 11, Lawrence Street	1,966.60
“ No. 12, West Sixth Street	2,433.65
Hook and Ladder, No. 1, Lawrence Street	2,429.25
“ No. 2, Westford Street	3,517.91
“ No. 3, Palmer Street	5,169.55
“ No. 4, West Sixth Street	6,599.78
Protective No. 1, Warren Street	4,327.70
Fire Alarm Telegraph	47,327.00
Health :	.
Furniture in office, etc.	177.00
Bacteriological Laboratory	148.00
Milk and Vinegar Department	860.00
Horses	7,000.00
Wagons and Sleds	6,000.00
Harnesses	1,000.00
Shop	1,500.00
Isolation Hospital Equipment	10,000.00
Law :	
Furniture in office, etc.	500.00
License Commissioners	850.00
Library	90,000.00
Mayor :	
Furniture in office, etc.	800.00
Memorial Auditorium	57,700.00

CITY AUDITOR'S REPORT

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Moth	1,800.00
Messenger :	
Furniture in charge	1,300.00
Boiler room	3,100.00
Park :	
Furniture in office, etc.	} 8,200.00
Stable and yard	
Police	
Furniture in office, etc.	2,453.00
Equipment	1,375.00
Stable	7,331.00
Electrician's department	24,800.00
Registrars :	
Furniture in office, etc.	85.00
Sealer	900.00
Sewer :	
Office	725.00
Miscellaneous	19,850.00
Smoke Inspector	70.00
State Aid :	
Furniture in office, etc.	200.00
Streets :	
Store room	4,070.00
Yard	14,340.00
Shop	2,000.00
Stone	6,780.00
Blacksmith Shop	890.00
Tool House	568.00
Dracut Ledge	14,700.00
Horses and Harness	21,788.00
Miscellaneous	2,200.00
Street Watering :	
Carts, etc.	12,635.00

Street Lighting	10,025.00
Supply :	
Furniture in office, etc.	575.00
Treasurer :	
Furniture in office, etc.	1,000.00
Water Works	1,602,276.67
Weigher	275.00
Wire	400.00

SCHOOL DEPARTMENT—Personal Estate

Furniture in office, etc.	\$ 1,150.00
Four automobiles	1,600.00
Equipment in High School	10,000.00
Equipment in Industrial School	16,000.00
Furniture in schools, etc.	54,300.00
<hr/>	
Total Personal Property	\$ 2,247,354.09

CEMETERY DEPARTMENT

Real Estate			
	Bldg. Value	Area	Total Value
Edson Cemetery, Gorham St.:			
Shop and Sheds	\$ 2,000.00	acres	\$ 48,800.00
Shelter	800.00	46	
Westlawn Cemetery, Boston Road ...		18,792 acres	6,000,000
House in field	500.00		
House 363	500.00		
Barn	100.00	11.620 acres	5,800.00
		5 acres	250.00
Boston Road		14.34 acres	2,850.00
Total valuation of buildings			\$ 3,900.00
Total valuation of land			59,800.00
Total Cemetery Department			\$ 63,700.00

CHARITY DEPARTMENT

Real Estate				
	Bldg. Value	Area	Land Value	Total Value
Chelmsford St. Hospital Buildings\$	212,800.00	45.73 acres	\$ 22,300.00	\$ 235,100.00
Isolation Hospital	270,000.00			
Isolation Hospital Garage	500.00	59.39 acres	3,000.00	273,500.00
Land on Chelmsford St.		139,530 sq. ft.	2,800.00	2,800.00
Land on Chelmsford St.		176,300 sq. ft.	3,500.00	3,500.00
Land on Chelmsford St.		10,305 acres	3,100.00	3,100.00
Land in Town of Chelmsford		28.08 acres	8,400.00	8,400.00
Total Building Valuation			\$ 483,300.00	
Total Land Valuation			43,100.00	
Total Charity Department			\$ 526,400.00	

FIRE DEPARTMENT

Real Estate

	Bldg. Value	Area	Land Value	Total Value
Rogers St. Oakland Firehouse	\$ 30,000.00	18,869 sq. ft.	\$ 1,300.00	\$ 31,300.00
Engine House, Gorham St.	31,000.00	5,292 sq. ft.	1,600.00	32,600.00
Engine House, Branch St.	21,600.00	8,829 sq. ft.	3,500.00	25,100.00
Central Fire Station, Palmer St.	72,000.00	9,674 sq. ft.	56,600.00	128,600.00
Engine House, High St.	30,000.00	5,565 sq. ft.	1,950.00	31,950.00
Engine House, Mammoth Road	17,400.00	5,341 sq. ft.	850.00	18,250.00
Engine House, Fletcher St.	24,000.00	123,126 sq. ft.	24,600.00	
Engine House, Central St.	12,600.00	18,336 sq. ft.	3,650.00	52,250.00
Engine House, Merrimack St.	27,600.00	3,500 sq. ft.	2,100.00	14,700.00
Engine House, Lincoln St.	7,200.00	3,060 sq. ft.	11,300.00	38,900.00
Engine House, Fourth St.	19,200.00	1,930 sq. ft.	150.00	7,350.00
Engine House, Lawrence St.	30,000.00	6,993 sq. ft.	2,500.00	21,700.00
Engine House, West Sixth St.	45,600.00	8,058 sq. ft.	1,200.00	31,200.00
Engine House, Warren St.	13,200.00	9,390 sq. ft.	650.00	46,250.00
Engine House, Stevens St.	30,000.00	1,643 sq. ft.	1,650.00	14,850.00
		9,204 sq. ft.	1,300.00	31,300.00

Total valuation of buildings\$ 411,400.00

Total valuation of land 114,900.00

Total Fire Department\$ 526,300.00

MISCELLANEOUS REAL ESTATE

Tenth Street in Lowell	40,260 sq. ft.	\$	809.00
Tenth Street in Dracut	175,985 sq. ft.		3,500.00
Harris Land in Dracut	28 acres		600.00
Parker Land in Dracut	20 acres		1,400.00
Hildreth Land in Dracut	17 acres		500.00
Meadow Land in Dracut	5 acres		275.00
Swan Land in Dracut	5 acres		200.00
S. S. Rogers St.	2.69 acres		1,050.00
N. S. First St.	57,768 sq. ft.		1,500.00
Spruce St.	17,457 sq. ft.		150.00
W. S. Billerica Road	145,413 sq. ft.		400.00
Clark Road	3 acres		900.00
Humphrey St.	7,153 sq. ft.		150.00
<hr/>			
Total Miscellaneous Real		\$	11,425.00
			Bldg Val.
Memorial Auditorium—E. Merrimack St.		\$	1,000,000.00
Area	Land Value		Total Value
98,783 sq. ft.	74,100.00		1,074,100.00

PARK DEPARTMENT

Real Estate

	Bldg. Value	Area	Land Value	Total Value
	\$		\$	\$
Bath House	17,000.00	261,928	13,100.00	30,100.00
McPherson Playfield		354,369	14,150.00	14,150.00
Chambers Street Playground		55,239	5,500.00	5,500.00
Chelmsford St., "John L. Durkin Park"		66,311	6,650.00	6,650.00
Coburn Square		10,788	1,000.00	1,000.00
Colonial Avenue Riverbank (leased L. & C. Co.)		152,400	4,550.00	4,550.00
Re. John J. O'Donnell Playground, Gorham St.		10.65 acres	27,700.00	27,700.00
Fayette St. Playgrounds		7,428	2,600.00	2,600.00
First Street Oval		12,275 acres	24,550.00	24,550.00
First Street Oval		5,639	1,700.00	1,700.00
Fort Hill Park		34.40 acres	154,800.00	154,800.00
Glacial Oval		690	100.00	100.00
Gorham St., "Thomas F. Mann Sq."		3,594	1,600.00	1,600.00
McOsker Oval		5,090	500.00	500.00
Hillside Park		2,669	250.00	250.00
Hovey Square		945	150.00	150.00
Hutchinson Square		1,416	150.00	150.00
Kittredge, Paul T. Park		74,275	29,700.00	29,700.00
Lenox Square (barn)	850.00	18,195	2,200.00	3,050.00
Lincoln Square		600	150.00	150.00
Lucy Larcom Park (leased L. & C. Co.)		49,853	99,700.00	99,700.00
Mammoth Rd. Playground "Ayer Field"		199,477	8,900.00	8,000.00
Mansur Square		1,743	175.00	175.00
Merr'k St. "Cardinal O'Connell Parkway"		4,966	24,850.00	24,850.00
Middlesex St. "Middlesex Park"		1,481	50.00	50.00
Middlesex Square		1,514	200.00	200.00
Monument Square		3,928	23,550.00	23,550.00

PARK DEPARTMENT—Continued

Real Estate			Land Value	Total Value
	Bldg. Value	Area	\$	\$
Morey St. Playground		52,499	2,700.00	2,700.00
Vernon Park		25,902	4,000.00	4,000.00
Nesmith St., N. S. Cor. Rogers St.		5,179	800.00	800.00
North Common Comfort Station	12,000.00	11.39 acres	125,300.00	137,300.00
Parker Spaulding Park		2,215	200.00	200.00
Pawtucket Street (leased, L. & C. Co.)		35,278	7,400.00	7,400.00
Pawtucket Street (leased, L. & C. Co.)		5,000	1,750.00	1,750.00
Pentucket Avenue		227,398	2,000.00	2,000.00
Penniman Square		975	250.00	250.00
Princeton Square		1,210	150.00	150.00
Raven Road "Raven Road Park"		3,625	150.00	150.00
Richmond Ave. Playground		27,861	2,500.00	2,500.00
Riverside Street (at Pawtucket Bridge) ..		18,505	4,050.00	4,050.00
Riverside Street (leased L. & C. Co.)		51,309	1,550.00	1,550.00
Rogers Street—Lots 136-138		11,324	550.00	550.00
Shedd Park Field House	20,000.00	56 acres	44,800.00	64,800.00
South Common		911,653	227,900.00	
Band Stand	2,200.00			
Sanitary Station	10,000.00			
Stevens St., Highland Park		241,751	24,200.00	24,200.00
Tyler Park		78,919	8,000.00	8,000.00
Moulton Square		2,050	500.00	500.00
Varnum Avenue, Wannalancit Park		31,333	4,700.00	4,700.00
Varnum Park, First Street		32,889	16,450.00	16,450.00
Washington Park		126,063	31,500.00	31,500.00
Woburn St., "Riverside Park"		4,574	150.00	150.00
Woburn St. and Circuit Avenue		223,469	1,500.00	1,500.00
Total Department			\$ 1,022,725.00	\$ 1,022,725.00

PUBLIC PROPERTY

Real Estate					
	Bldg. Value	Area	Land Value	Total Value	
City Hall	\$ 492,000.00				
Memorial Building, Merrinack, Coburn, Moody and Worthen Sts.	240,000.0	61,280 sq. ft.	\$ 245,100.00	\$ 977,100.00	
Shed, Market St.		96 sq. ft.	450.00	950.00	
C. B. Coburn Co., owner)	500.00				
Police Station, Market St.	49,700.00				
City Scales	600.00	16,345 sq. ft.	73,550.00	}	133,600.00
Public landing and Police stables	3,000.00	4,587 sq. ft.	3,450.00		
Land in rear Market St.		4,382 sq. ft.	3,300.00		
Fletcher St.		1,618 sq. ft.	650.00	650.00	
Land in rear Market St.					
Comfort Station, Paige St.	30,000.00	area in street		30,000.00	
Carriage Sheds	4,800.00				
2½ Story Bldg. Office, Carpenter and Blacksmith Shop	9,600.00				
Sprinkler Sheds	6,000.00				
City Stables (brick)	48,000.00				
Land on Fletcher, Broadway and La- grange Sts.		72,500 sq. ft.	25,400.00		93,800.00
Brick Stable, Broadway	42,000.00				
Carriage Shed (brick and wood)	3,600.00				
2 Story Bldg. (sewer dept.) wood	3,000.00				

PUBLIC PROPERTY—Continued

Real Estate			
	Bldg. Value	Area	Land Value
Shed	\$ 600.00		Total Value
Carpenter and 3 Story Brick Bldg	21,600.00		
2 Story Wooden Bldg., Carpenter Storage	7,200.00		
Auto and Carriage Sheds (brick and wood)	9,600.00		
Sheds	250.00		
Land on Fletcher, Cross and Broadway		80,233 sq. ft.	28,100.00
Rifle Range, Dracut	19,200.00		2,700.00
Magazine Bldg., rear of Chelmsford St.		1.65 acres	400.00
Total valuation of buildings			\$ 994,250.00
Total valuation of lands			383,100.00
			<u>\$ 1,377,350.00</u>

SCHOOL DEPARTMENT

Real Estate

	Bldg. Value	Area	Land Value	Total Value
High School, Kirk and Anne Sts., (unfinished)	\$ 2,000,000.00	103,334 sq. ft.	\$ 103,350.00	\$ 2,103,350.00
High School Annex, John and Paige Sts.	98,800.00	16,737 sq. ft.	25,100.00	123,900.00
High School (overflow) Kirk St.	12,000.00	22,816 sq. ft.	18,000.00	30,000.00
Bartlett School (new) Wannalancit St.	175,000.00	68,418 sq. ft.	10,250.00	185,250.00
Butler School, Gorham St.	78,000.00	43,187 sq. ft.	12,950.00	90,950.00
Coburn School, Lawrence St.	24,000.00	17,557 sq. ft.	3,500.00	27,500.00
Edson School, Highland and South Sts.	24,000.00	(Ld. taken with So. Common)		24,000.00
Franklin School, Branch St.	18,000.00	20,011 sq. ft.	14,000.000	32,000.00
Green School, Merrimack St.	72,000.00	19,562 sq. ft.	83,150.00	155,150.00
Greenhalge School, Ennell St.	150,000.00	100,000 sq. ft.	15,000.00	165,000.00
Morey School, Pine St.	315,000.00			
Bungalow, Wilder St.	8,000.00	123,924 sq. ft.	18,600.00	341,600.00
Lincoln School, Chelmsford St.	120,000.00	44,451 sq. ft.	4,450.00	124,450.00
Mann School, Broadway (brick)	9,600.00			
Mann School, Broadway (wooden)	9,600.00	15,632 sq. ft.	11,700.00	30,900.00
Moody School, Rogers St.	90,000.00	51,070 sq. ft.	10,200.00	100,200.00
Pawtucket School, Mammoth Rd.	140,000.00	58,102 sq. ft.	7,550.00	147,550.00
Riverside School, Woburn St.	30,000.00	33,900 sq. ft.	1,350.00	31,450.00
		11,724 sq. ft.	100.00	

SCHOOL DEPARTMENT—Continued

Real Estate

	Bldg. Value	Area	Land Value	Total Value
Varnum School, Myrtle St.	\$ 120,000.00	47,625 sq. ft.	\$ 10,950.00	\$ 130,950.00
Washington School, Lang St.	108,000.00	72,240 sq. ft.	2,890.00	110,890.00
Agawam Primary School, Agawam St. ..	9,600.00	13,184 sq. ft.	1,600.00	11,200.00
Ames St. Primary School	14,400.00	8,539 sq. ft.	2,500.00	16,900.00
Billings St. Primary School	18,000.00	20,000 sq. ft.	1,000.00	19,000.00
Central St. School	12,000.00	9,694 sq. ft.	2,900.00	14,900.00
Cabot St. School	24,000.00	9,625 sq. ft.	5,300.00	29,300.00
Carter St. School	60,000.00	18,908 sq. ft.	2,650.00	62,650.00
Charles St. School	14,000.00	11,100 sq. ft.	4,450.00	18,450.00
Colburn Primary, Charles St.	26,000.00	9,857 sq. ft.	3,450.00	29,450.00
Cross St. School	26,000.00	8,048 sq. ft.	2,000.00	28,000.00
Dover St. School	10,000.00	17,927 sq. ft.	45,000.00	14,500.00
Favor St. School	26,500.00	8,500 sq. ft.	5,100.00	31,600.00
Grand St. School	3,600.00	4,255 sq. ft.	1,300.00	4,900.00
High St. School	9,600.00	9,220 sq. ft.	3,700.00	13,300.00
Howard St. School	4,200.00	6,944 sq. ft.	1,400.00	5,600.00
Kirk St. School	14,400.00	6,120 sq. ft.	6,100.00	20,500.00
Lakeview Ave. School	9,000.00	10,232 sq. ft.	2,000.00	11,000.00
Lexington Ave. School	8,400.00	12,000 sq. ft.	350.00	8,750.00
London St. School	5,000.00	10,065 sq. ft.	700.00	5,700.00
Lyon St. School	21,600.00	10,730 sq. ft.	2,700.00	24,300.00

SCHOOL DEPARTMENT—Continued

Real Estate					Total Value
	Bldg. Value	Area	Land Value	\$	\$
Mammoth Rd. Kindergarten	2,400.00	8,507 sq. ft.	1,100.00		3,500.00
Middlesex Village Primary	19,000.00	19,120 sq. ft.	750.00		19,750.00
Morrill School, Common St.	25,000.00	9,040 sq. ft.	3,150.00		28,150.00
Laura E Lee School	24,500.00	16,239 sq. ft.	2,450.00		26,950.00
Powell St. Primary	7,800.00	11,367 sq. ft.	1,350.00		9,150.00
Pond St. Primary	8,500.00	9,880 sq. ft.	3,950.00		12,450.00
Pine St. Primary	21,600.00	26,608 sq. ft.	3,200.00		24,800.00
Sycamore St. Primary	14,500.00	19,046 sq. ft.	550.00		15,050.00
Tenth St. Primary	10,500.00	10,730 sq. ft.	2,150.00		12,650.00
Weed St. Primary	12,000.00	18,903 sq. ft.	1,900.00		13,900.00
West London St. Annex Primary	2,500.00	15,211 sq. ft.	750.00		3,250.00
West Sixth Primary	8,500.00	12,913 sq. ft.	1,900.00		10,400.00
Worthen St.	24,000.00	11,044 sq. ft.	8,300.00		32,300.00

Total valuation of real estate of the School Department \$4,537,390.00

WATER WORKS DEPARTMENT

Real Estate

	Bldg. Value	Area Right of way	Land Value	Total Value
Terminal Chamber (brick)	\$ 4,400.00			\$ 4,400.00
Conduit St.				
2 Small brick buildings, Manhole and blowoff, Conduit St	1,100.00			1,100.00
Brick manhole structure, Moody St., Ger- shom and Gardner Ave.	2,200.00			
Fels Park		17,252 sq. ft.	\$ 2,600.00	4,800.00
Inlet chamber (brick) Varnum Ave.	11,000.00	27,163 sq. ft.	550.00	550.00
Pumping Station, West Sixth St.	110,000.00	15,540 sq. ft.	1,550.00	12,550.00
Stable and Sheds	16,500.00			
Storehouse and sheds, West Sixth St., Hampshire St. and Jewett St.	2,200.90	51,101 sq. ft.	13,000	142,900.09
Garage	1,200.00			
High Service Reservoir, Mt. Pleasant ...	16,500.00	54,730 sq. ft.	1,100.00	18,250.00
In Town of Dracut		32,470 sq. ft.	650.00	
Pumping station and chimney, Plain Chelmsford Sts.	3,300.00	1,684,930 sq. ft.	25,250.00	32,400.00
In Town of Chelmsford		1,531,109 sq. ft.	3,850.00	
Low Service Reservoir (new and old) ..	159,500.000			
Dwelling house	1,100.00	651,000 sq. ft.	32,600.00	204,200.00
Gate House Beacon St.	11,000.00			
Lower Pumping Station	27,500.09			

WATER WORKS DEPARTMENT—Continued

Real Estate				Total Value
	Bldg. Value	Area	Land Value	\$
Wooden building, Boulevard	\$ 550.00	22.71	\$ 9,100.00	\$ 37,150.00
Filter Basin (brick base and wood super-structure)				
Vacant land between river and Varnum Ave.	8,800.00	101,882 sq. ft.	3,050.00	11,850.00
Vacant land Pawtucket Boulevard		55.78 acres	22,300.00	22,300.00
Purification Plant	125,000.00	34.71 acres	13,900.00	138,900.00
Plain and Chelmsford Sts.		115,640 sq. ft.	600.00	600.00
Sarah Ave. and Moody St.		28,072 sq. ft.	2,800.00	2,800.00
Brick manhole structure, White St.	\$ 1,100.00	5,833 sq. ft.	300.00	1,400.00
Total Water Works Department			\$ 636,150.00	

DEBT MATURING IN 1928

Department	Date of Loan	Rate	Amount of Loan	Final Payment on Maturing Loans
Paving	April 1, 1918	4¾%	\$ 50,000.00	\$ 5,000.00
Extension First Street	June 1, 1919	4½%	27,000.00	3,000.00
Fire Engine House	February 1, 1923	4½%	2,500.00	500.00
Macadamizing	June 1, 1923	4¼%	50,000.00	10,000.00
Sidewalks	June 1, 1923	4¼%	10,000.00	2,000.00
Macadamizing	June 1, 1923	4¼%	25,000.00	5,000.00
Sidewalks	June 1, 1923	4¼%	10,000.00	2,000.00

HIGH STREET CHURCH CLOCK

The clock was built in 1861 under the direction of Mr. George Hedrick. It was to be paid for by popular subscription, but after some time Mr. Hedrick was obliged to make the final payments and it became his property. In 1877, the City Government, by resolution purchased the clock of Mr. Hedrick. The terms of the purchase required the City to keep it in repair at the High Street Church.

PROPERTY EXEMPT FROM TAXATION

	Personal	Real	Total
Religious Institutions		\$ 3,083,000.00	\$ 3,083,000.00
Charitable Institutions	224,605.00	1,241,850.00	1,466,455.00
Literary Institutions	130,207.00	1,529,245.00	1,659,452.00
Benevolent Institutions	41,374.00	449,550.00	490,924.00
Cemetery Institutions	6,262.00	71,850.00	78,112.00
Scientific Institutions	1,108.00	9,450.00	10,558.00
City of Lowell	2,247,354.00	9,775,540.00	12,022,894.00
Commonwealth of Mass.		1,097,900.00	1,097,900.00
County of Middlesex		470,750.00	470,750.00
U. S. Government		651,050.00	651,050.00
	<hr/>	<hr/>	<hr/>
	\$ 2,650,913.00	\$ 18,380,185.00	\$ 21,031,098.00

Jonathan Tyler Worthy Poor Trust Fund

Deposited with the Washington Inst. for Savings, Book No. 23,549

Amount on deposit, January 1, 1918\$10,000.00

Resolutions, numbered 14 and 74, passed by the City Council, May, 1878:

"That the City of Lowell be appointed trustee of the sum of \$10,000.00, and that the City Treasurer is authorized to pay to the Ministry-at-Large the interest of said sum at the rate of 6 per cent. forever. Said sum to be used for the benefit of the worthy poor of the City. Said Ministry shall make an annual report of their dispensing said money to the City Council." This fund was restored in 1914, and City is paying 4 per cent. only.

Thomas Nesmith Fund

\$25,000.000. Annual Interest, \$1,500.00

Resolution, numbered 57, passed by the City Council, November, 1870: "That the sum of \$25,000.00 be accepted by the City and that the interest, at the rate of 6 per cent, be paid to the trustees, and that they in turn pay to the Ministry-at-Large, or to like people, as they may decide. Said sum to be used for people in temporary need of charity without distinction of race, color or religion. Trustees: A. K. Chadwick, A. G. Cumnock, Thos. Nesmith, G. R. Chandler, Treasurer. In case of a vacancy, the remaining trustees shall report to the Justice of the Court, who shall appoint a successor to fill said vacancy." This fund was restored in 1923.

Carney Medal Fund

Received of James G. Carney, in 1858 and 1859, the amount of \$200, which is to remain a perpetual debt of the City forever; the interest to be applied in payment for the "Carney Medals" to the departments of the High School (annually).

For the information of the citizens of Lowell the Auditor respectfully refers them to the "Annual Report of the School Committee," or the year 1859, where all the correspondence between the donor and the recipient may be found. This fund was restored in 1923.

Thomas Nesmith Fund

Resolution, numbered 54, passed by the City Council, April 1870: "That the City of Lowell be appointed trustee of the sum of \$1,000.00 and the City Treasurer is authorized to pay to the High Street Church the interest of said sum at the rate of 6 per cent. forever. Said sum to be used by the Pastor and Deacons of said Church to sustain the Sunday School and its library for the moral and religious instruction of the children." This fund was restored in 1923.

LOANS NEGOTIATED BY THE CITY SINCE 1900 AND HOW EXPENDED

Year	Loans	Improvements	Current Expenses	Waterways
1900	\$ 288,500.00	\$ 191,109.00	\$ 22,500.00	\$ 75,000.00
1901	256,100.00	206,100.00	50,000.00	
1902	222,885.00	186,385.00	36,500.00	
1903	387,320.00	183,820.00	203,500.00	
1904	254,414.00	167,714.00	86,700.00	
1905	360,150.00	232,150.00	128,000.00	
1906	247,460.00	149,440.00	71,000.00	27,000.00
1907	365,500.00	229,500.00	136,000.00	
1908	304,413.00	189,413.00	115,000.00	
1909	172,900.00	172,900.00	none	
1910	241,000.00	161,000.00	20,000.00	60,000.00
1911	412,450.00	251,450.00	61,000.00	100,000.00
1912*	546,700.00	230,700.00	241,090.00*	75,000.00
1913	542,700.00	320,700.00	147,000.00	75,000.00
1914	343,500.00	235,500.00	none	15,900.00
1915	493,000.00	34,300.00	none	225,000.00
1916	647,100.00	592,100.00	none	55,000.00
1917	780,000.00	780,000.00	none	
1918	177,000.00	147,000.00	30,000.00†	
1919	833,000.00	753,000.00	none	80,000.00
1920	1,487,000.00	1,472,000.00	none	15,900.00
1921	2,074,000.00	2,074,000.00	none	30,000.00
1922	662,500.00	662,500.00	none	
1923	451,700.00	451,700.00	none	
1924	577,900.00	577,900.00	none	
1925	431,000.00	356,900.00	none	75,000.00
1926	320,500.00	320,500.00	none	
1927	340,000.00	315,000.00	none	25,900.00

*Temporary Loan Deficiencies of previous years—\$200,000.00.

†\$15,000.00—Spanish Influenza Epidemic; \$15,000.00 German War.

EXPENDITURES—TAX RATE—VALUATIONS FROM 1860

Expenditures	Year	Tax Rate	Total City Valuation
\$ 267,192.07	1860	\$ 8.40	\$ 22,125,176.00
756,342.81	1865	14.60	21,076,360.00
778,636.03	1870	13.90	25,972,488.00
1,162,922.95	1875	16.20	38,690,495.00
1,398,683.48	1880	16.20	41,102,016.00
1,833,483.69	1885	16.20	51,351,780.00
3,613,584.04	1890	16.00	62,353,612.00
2,903,410.60	1895	18.00	68,885,732.00
2,353,844.41	1900	18.80	71,529,515.0
2,738,502.84	1905	20.20	71,645,718.00
2,795,000.75	1906	19.60	74,945,640.00
2,718,874.34	1907	19.40	76,079,750.00
3,046,987.96	1908	20.40	77,855,891.90
2,791,607.95	1909	19.60	79,695,960.00
2,887,399.24	1910	19.60	80,392,890.00
2,873,195.26	1911	18.90	82,772,900.00
2,847,482.13	1912	19.00	85,384,085.00
3,112,853.71	1913	19.40	87,872,600.00
3,093,197.15	1914	21.90	90,039,890.00
3,207,407.84	1915	20.80	82,954,197.00
3,443,043.82	1916	21.20	94,503,423.00
3,835,043.80	1917	23.40	90,820,901.00
4,026,944.67	1918	23.80	98,774,850.00
4,462,739.28	1919	26.00	107,269,813.00
7,452,446.61	1920	27.20	123,803,827.10
7,490,450.02	1921	31.40	128,610,023.00
7,037,413.30	1922	30.60	130,586,193.00
6,404,603.76	1923	30.80	136,492,851.00
6,788,549.80	1924	29.40	139,534,630.55
7,042,676.11	1925	31.80	144,537,688.00
6,784,938.37	1926	33.40	145,832,174.00
6,521,441.65	1927	30.00	141,759,193.00

The Commonwealth of Massachusetts
DEPARTMENT OF CORPORATIONS AND TAXATION
DIVISION OF ACCOUNTS



REPORT
OF AN AUDIT OF THE ACCOUNTS
OF THE
CITY OF LOWELL

FOR THE YEAR ENDING DECEMBER 31, 1928

Made in Accordance with the Provisions of Chapter 44, General Laws

JUNE 27, 1928

June 27, 1928

To the Honorable Thomas J. Corbett, Mayor,
and the Municipal Council,
Lowell, Massachusetts.

Gentlemen :

I submit herewith my report of an audit of the accounts of the city of Lowell for the year ending December 31, 1927, made in accordance with the provisions of Chapter 44 of the General Laws. This report is in the form of a report made to me by Mr. Edward H. Fenton, Chief Accountant of this Division.

Very truly yours,

THEODORE N. WADDELL,

Director of Accounts.

TNW/AMH

Mr. Theodore N. Waddell,
Director of Accounts,
Department of Corporations and Taxation,
State House, Boston.

Sir :

In accordance with your instructions, I have made an audit of the books and accounts of the city of Lowell for the year ending December 31, 1927, and submit the following report :

The records of the financial transactions of the several departments were examined and a comparison was made with the reports to the auditor and with the books in the auditor's and the treasurer's departments.

The surety bonds furnished by the departmental officials for the faithful performance of their duties were examined and found to be in proper form.

The books and accounts in the auditor's office were examined and checked, the records of receipts being compared with the treasurer's books and with the records in the several departments collecting money for the city. The reported disbursements were checked by a comparison of approved bills and pay-rolls with the warrants and the treasurer's books.

The appropriation accounts were examined and all appropriations, transfers and loan orders were checked with the records of the City Council.

The accounts receivable ledger, in which is entered the detail of the departmental accounts receivable, was examined and checked with the bills made out by the several departments and with the payments to the treasurer.

The records of debt issued were examined, and the loans were found to have been properly authorized. The reported payments on account of debt and interest were compared with the amounts falling due, and the outstanding debt was listed from the debt records and proved with the auditor's ledger.

The ledger accounts were examined and checked, a trial balance was taken off, proving the ledger to be in balance, and a balance sheet, showing the financial condition of the city as of December 31, 1927, was prepared and is appended to this report.

At the present time, the surplus prior revenue account includes the uncollected bills of departmental accounts receivable, moth and street sprinkling assessments, and tax titles, making it difficult to determine the unappropriated cash which is available; and again it is recommended that revenue accounts be set up for these outstanding accounts, eliminating them from the surplus prior revenue account.

The books and accounts of the treasurer and collector were examined and checked. The reported receipts as recorded on the cash book were checked with the reports to the auditor and with the departmental records, and the payments by the treasurer were compared with the warrants authorizing them and with the auditor's books.

The cash on hand was verified by actual count, and the bank balances were reconciled with the statements furnished by the banks.

The securities and the savings bank books, representing the investments of the several trust funds in the custody of the treasurer, were examined and listed, the additional cemetery perpetual care funds and the income being proved and the transfers of income to the city being verified and found to be as recorded.

The commitments of taxes, assessments, and departmental accounts receivable were proved to the warrants, and the receipts were checked with the payments to the treasurer and with the auditor's books. The abatements were checked with the departmental records of abatements granted, and the outstanding accounts were listed and proved to the accounts in the auditor's books. A further verification of the outstanding accounts was made by mailing notices to a number of persons whose names appeared on the books as owing money to the city, and from the replies received it appears that outstanding accounts, as listed, are correct.

Continued efforts should be made by the city solicitor's office toward the collection of overdue departmental bills; and those found to be uncollectible should be abated.

There are several sidewalk assessments which have been outstanding for some time, and if these assessments are found to be uncollectible, they should be abated.

Attention is again called to the amount of tax titles on hand which is increasing each year. The treasurer should institute proceedings for foreclosure as required by Section 2, Chapter 126, Acts of 1927; and any tax titles on land of small value may be disposed of by complying with the provisions of Sections 79 to 80, Chapter 60, General Laws, as amended.

It was noted that the cash for a number of overpayments on taxes of various levies is separate from and not included in the treasurer's general cash, and it is therefore recommended that this cash be turned in to the general cash, as well as the unclaimed cash and checks on pay-rolls and bills which have been on hand a sufficient time.

The records of receipts of the city clerk's department for licenses and permits were checked in detail with the records of licenses and permits issued, and the fees for recording were verified by the records in the several books. The payments to the treasurer were checked to the treasurer's and auditor's books. The hunting and fishing and the dog licenses issued were examined, and the payments to the State and the county, respectively, were verified by the receipts on file.

The receipts of the license commissioners were examined and checked. The records of licenses issued were checked with the copies of licenses on file, and the payments to the treasurer were compared with the treasurer's and the auditor's books.

The financial records of the water department were examined, the abatements and discounts being checked, and the outstanding accounts listed and proved with the auditor's books. The reported collections were checked with the treasurer's and the auditor's books.

Recommendations were made in our reports of previous audits that a special appropriation be made to take care of the water income deficit of prior years, but no action has been taken. This matter should receive attention by the making of a special appropriation to take care of the amount of the deficit before the close of 1928 instead of leaving it to chance that there may be an unexpended balance of water income of the current year to reduce the amount.

The records at the cemetery office were examined, and the outstanding cemetery bills were compared with the lists of uncollected charges in the collector's office. The commitments of charges to the collector, the amount of receipts, and the abatements granted were checked and proved with the books in the collector's and the auditor's offices. The records of cash received at the cemetery office were checked, and the payments to the treasurer were compared with the treasurer's and the auditor's books.

The records of receipts from licenses issued by the mayor's office, of receipts from the milk inspector, the sealer of weights and measures, the public scales, and the vocational schools, as well as from the building, fire health, library, and park departments, were examined, and the payments to the treasurer were checked with the treasurer's and the auditor's books. At the end of the year there was cash on hand, which was paid to the treasurer in 1928, as follows:

Girls' Vocational School	\$42.50
Library department	99.81
Building department	55.42

It is recommended that departments make payments of their receipts to the treasurer before the close of the year, in order that his books may show the true condition of the city.

It was noticed that the school committee granted the use of the C. W. Irish Auditorium in the High School to certain organizations on the condition that a definite amount of money be given to the High School Athletic Fund, instead of requiring that the payments be made to the city treasurer as revenue of the city.

In addition to the departments and accounts mentioned, the accounts of all other departments receiving money or committing bills for collection were examined and checked.

The balance sheet shows the city to be in a good financial condition, as will be seen by the surplus revenue account, although large amounts were appropriated from this account in 1927.

Appended to this report are tables showing a reconciliation of the treasurer's cash, summaries of the tax, assessment, and departmental accounts receivable, together with tables showing the transactions of the trust funds.

During the process of the audit, uniform courtesy was extended by the several officials, and I wish, on behalf of my assistants and for myself, to express appreciation.

Respectfully submitted,

EDWARD H. FENTON,

EHF/AMH

Chief Accountant.

RECONCILIATION OF TREASURER'S CASH

Cash on hand January 1, 1927	\$ 498,399.41	
Receipts 1927	9,650,018.33	
	<u> </u>	\$10,148,417.74

Payments 1927	\$ 9,767,243.57	
Cash on hand December 31, 1927	381,174.17	
	<u> </u>	\$10,148,417.74

Cash on hand January 1, 1928	\$ 381,174.17	
Receipts January 1 to March 6, 1928	804,121.87	
	<u> </u>	\$ 1,185,296.04

Payments January 1 to March 6, 1928	\$ 672,719.33	
Cash on hand March 6, 1928	512,576.71	
	<u> </u>	\$ 1,185,296.04

Cash on hand March 6, 1928		\$ 512,576.71
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In office:

Bills	\$ 10,412.00	
Coin	662.37	
Checks	14,394.14	
Memoranda	313.77	
	<u> </u>	\$ 25,782.28

In banks:

Lowell Trust Company	\$ 71,163.71	
Union National Bank	106,835.64	
Old Lowell National Bank	185,371.38	
Middlesex National Bank	70,726.88	
Appleton National Bank	25,151.34	
Wamesit Branch-Union National Bank	25,691.27	
First National Bank, Boston	728.03	
Union National Bank (Special)	119.73	
Lowell Trust Company (Special)	1,015.45	
	<u> </u>	\$ 486,794.43
		<u> </u>
		\$ 512,576.71

RECONCILIATION OF BANK BALANCES MARCH 6, 1928

	Balances per bank balances	Outstanding checks per list	Balances per check register
Lowell Trust Company	\$ 71,620.89	\$ 457.18	\$ 71,163.71
Union National Bank	111,747.47	4,911.83	106,835.64
Old Lowell National Bank	201,226.36	15,854.98	185,371.38
Middlesex National Bank	73,205.92	2,479.04	70,726.88
Appleton National Bank	25,151.34		25,151.34
Wamesit Branch—Union National Bank	25,691.27		25,691.27
First National Bank, Boston	728.03		728.03
Union National Bank (Special)	110.73		110.73
Lowell Trust Company (Special) ..	1,020.45	5.00	1,015.45
	<u>\$510,502.46</u>	<u>\$ 23,708.03</u>	<u>\$486,794.43</u>

TAXES—1923

Outstanding January 1, 1927		\$ 553.61
Payments to treasurer, 1927	\$ 369.60	
Abatements, 1927	164.01	
	<u> </u>	<u>\$ 533.61</u>

TAXES—1924

Outstanding January 1, 1927	\$ 49,582.72	
Abatement after payment—refunded	2.00	
	<u> </u>	\$ 49,584.72
Payments to treasurer	\$ 13,105.78	
Abatements	36,478.94	
	<u> </u>	<u>\$ 49,584.72</u>

TAXES—1925

Outstanding January 1, 1927	\$ 57,341.87	
Abatement after payment—refunded	31,803.18	
	<hr/>	\$ 89,145.05
Payments to treasurer	\$ 21,053.18	
Abatements	65,722.63	
Outstanding December 31, 1927	2,369.24	
	<hr/>	\$ 89,145.05
Outstanding January 1, 1928	\$ 2,369.24	
Overpayments (to be refunded)	30.00	
Unlocated difference .....	.20	
	<hr/>	\$ 2,399.44
Payments to treasurer Jan. 1 to March 6, 1928..	\$ 270.40	
Outstanding March 6, 1928, per list	2,129.04	
	<hr/>	\$ 2,399.44

TAXES—1926

Outstanding January 1, 1927	\$ 1,626,806.93	
Abatements after payment—refunded	13,461.35	
	<hr/>	\$ 1,640,268.28
Payments to treasurer	\$ 1,555,703.04	
Abatements	33,452.42	
Adjustment of abatements in 1926	6.68	
Outstanding December 31, 1927	51,106.14	
	<hr/>	\$ 1,640,268.28
Outstanding January 1, 1928	\$ 51,106.14	
Overpayments (to be refunded)	40.00	
Abatement after payment, refunded	2.00	
Unlocated difference	4.00	
	<hr/>	\$ 51,152.14
Payments to treasurer Jan. 1 to March 6, 1928..	\$ 11,610.64	
Abatements January 1 to March 6, 1928	48.00	
Outstanding March 6, 1928, per list	39,493.50	
	<hr/>	\$ 51,152.14

TAXES—1927

Commitment	\$ 4,309,799.79	
Additional commitment	1,746.00	
Abatement after payments—refunded	607.25	
	<u> </u>	\$ 4,312,153.04
Payments to treasurer	\$ 3,027,890.16	
Abatements	10,602.75	
Outstanding December 31, 1927	1,273,660.13	
	<u> </u>	\$ 4,312,153.04
Outstanding January 1, 1928	\$ 1,273,660.13	
Overpayments, to be refunded	33.50	
Overpayment—refunded	15.00	
Abatements after payment—refunded	100.25	
Unlocated difference	6.00	
	<u> </u>	\$ 1,273,814.88
Payments to treasurer Jan. 1 to March 6, 1928..	\$ 241,446.91	
Abatements January 1 to March 6, 1928	2,935.50	
Outstanding March 6, 1928, per list	1,029,432.47	
	<u> </u>	\$ 1,273,814.88

MOTH ASSESSMENTS—1922

Outstanding January 1, 1927	\$	12.25
Abatements 1927	\$	12.25

MOTH ASSESSMENTS—1923

Outstanding January 1, 1927	\$	2.55
Abatements 1927	\$	2.55

MOTH ASSESSMENTS—1924

Outstanding January 1, 1927	\$	2.40
Abatements 1927	\$	2.40

MOTH ASSESSMENTS—1925

Outstanding January 1, 1927	\$	1.50
Abatements 1927	\$	1.50

MOTH ASSESSMENTS—1926

Outstanding January 1, 1927		\$	1,188.90
Payments to treasurer 1927	\$	1,182.50	
Abatements		2.30	
Outstanding December 31, 1927, per list		4.10	
		<u> </u>	\$ 1,188.90

MOTH ASSESSMENTS—1927

Commitment		\$	3,515.70
Payments to treasurer	\$	2,355.80	
Abatement .....		.30	
Outstanding December 31, 1927		1,159.60	
		<u> </u>	\$ 3,515.70
Outstanding January 1, 1928	\$	1,159.60	
Abatement after payment—refunded .....		.30	
		<u> </u>	\$ 1,159.90
Payments to treasurer Jan. 1 to March 6, 1928....	\$	300.25	
Abatement January 1 to March 6, 1928 .....		.60	
Outstanding March 6, 1928, per list		859.05	
		<u> </u>	\$ 1,159.90

STREET SPRINKLING ASSESSMENTS—1922

Outstanding January 1, 1927	\$	26.38
Abatements 1927	\$	26.38

STREET SPRINKLING ASSESSMENTS—1923

Outstanding January 1, 1927	\$	15.54
Abatements 1927	\$	15.54

STREET SPRINKLING ASSESSMENTS—1924

Outstanding January 1, 1927	\$	14.54
Abatements 1927	\$	14.54

STREET SPRINKLING ASSESSMENTS—1925

Outstanding January 1, 1927	\$	23.54
Payments to treasurer 1927	\$	5.71
Abatements	\$	17.83
	<u> </u>	\$ 23.54

STREET SPRINKLING ASSESSMENTS—1926

Outstanding January 1, 1927	\$	9,281.29	
Abatement after payment—refunded		79.11	
		<hr/>	\$ 9,360.40
Payments to treasurer	\$	8,982.90	
Abatements		198.94	
Outstanding December 31, 1927, per list		178.56	
		<hr/>	\$ <u>9,360.40</u>

STREET SPRINKLING ASSESSMENTS—1927

Commitments			\$ 25,466.66
Payments to treasurer 1927	\$	16,881.85	
Outstanding December 31, 1927		8,584.81	
		<hr/>	\$ 25,466.66
Outstanding January 1, 1928			\$ 8,584.81
Payments to treasurer Jan. 1 to March 6, 1928....	\$	2,028.66	
Outstanding March 6, 1928, per list		6,556.15	
		<hr/>	\$ <u>8,584.81</u>

SEWER ASSESSMENTS

Outstanding January 1, 1927	\$	3,608.29	
Commitments		11,718.66	
		<hr/>	\$ 15,326.95
Payments to treasurer	\$	11,375.60	
Abatements		67.50	
Outstanding December 31, 1927		3,883.85	
		<hr/>	\$ 15,326.95
Outstanding January 1, 1928			\$ 3,883.85
Payments to treasurer Jan. 1 to March 6, 1928....	\$	501.86	
Outstanding March 6, 1928, per list		3,381.99	
		<hr/>	\$ <u>3,883.85</u>

SIDEWALK ASSESSMENTS

Outstanding January 1, 1927	\$ 5,374.68	
Commitments	22,301.17	
	<hr/>	\$ 27,675.85
Payments to treasurer	\$ 18,217.52	
Abatements	1,718.02	
Outstanding December 31, 1927	7,740.31	
	<hr/>	\$ 27,675.85
Outstanding January 1, 1928	\$ 7,740.31	
Commitments January 1 to March 6, 1928.....	5,936.86	
	<hr/>	\$ 13,677.17
Payments to treasurer Jan. 1 to March 6, 1928....	\$ 982.84	
Outstanding March 6, 1928, per list	12,694.33	
	<hr/>	\$ 13,677.17

COMMITTED SEWER ASSESSMENT INTEREST—1927

Commitment	\$ 97.87	
Payments to treasurer	\$ 13.00	
Outstanding December 31, 1927	84.87	
	<hr/>	\$ 97.87
Outstanding January 1, 1928	\$ 84.87	
Payments to treasurer Jan. 1 to March 6, 1928....	\$ 15.95	
Outstanding March 6, 1928, per list.....	68.92	
	<hr/>	\$ 84.87

TAX TITLES

Held by City

On hand January 1, 1927	\$ 16,491.21	
Tax titles purchased and added taxes	4,044.52	
	<hr/>	\$ 20,535.73
Payments to treasurer—redeemed	\$ 525.19	
Adjustment of affidavits and releases	36.88	
On hand December 31, 1927	19,973.66	
	<hr/>	\$ 20,535.73
On hand January 1, 1928	\$ 19,973.66	
Interest credited to tax titles	24.23	
	<hr/>	\$ 19,997.89
Payments to treasurer—redeemed January 1 to March 6, 1928	\$ 79.62	
On hand March 6, 1928, per list	19,918.27	
	<hr/>	\$ 19,997.89

CITY AUDITOR'S REPORT

DEPARTMENTAL ACCOUNTS RECEIVABLE

Committed Accounts

Outstanding January 1, 1927	\$ 109,384.60	
Commitments	176,510.43	
		\$285,895.03
Payments to treasurer	\$ 160,078.17	
Abatements	2,979.11	
Outstanding December 31, 1927	122,837.75	
		\$285,895.03

WATER DEPARTMENT ACCOUNTS RECEIVABLE

Outstanding January 1, 1927	\$ 9,049.71	
Commitments	378,060.47	
		\$387,110.18
Payments to treasurer	\$ 359,323.79	
Abatements	4,667.56	
Discounts	15,165.01	
Adjustment	1.10	
Outstanding December 31, 1927	7,952.72	
		\$387,110.18
Outstanding January 1, 1928	\$ 7,952.72	
Commitments Jan. 1 to March 31, 1928	64,951.18	
		\$ 72,003.90
Payments to treasurer Jan. 1 to March 31, 1928...	\$ 61,281.47	
Abatements January 1 to March 31, 1928	658.26	
Discounts January 1 to March 31, 1928	2,712.54	
Outstanding March 31, 1928, per list	7,351.63	
		\$ 72,003.90

CEMETERY ACCOUNTS RECEIVABLE

Outstanding January 1, 1927	\$ 10,535.00	
Commitments 1927	20,443.43	
		\$ 30,978.43
Payments to treasurer 1927	\$ 20,232.03	
Abatements	35.00	
Outstanding December 31, 1927	10,711.40	
		\$ 30,978.43
Outstanding January 1, 1928	\$ 10,711.40	
Commitments January 1 to March 6, 1928	2,416.65	
Collections not committed	54.00	
Unlocated difference	4.50	
		\$ 13,186.55
Payments to treasurer Jan. 1 to March 6, 1928....	\$ 5,219.80	
Outstanding March 6, 1928, per list	7,966.75	
		\$ 13,186.55

JONATHAN TYLER WORTHY POOR FUND

	Savings Deposits	Total
On hand at beginning of year		
On hand at end of year	\$ 10,091.01	\$ 10,091.01
	10,000.00	10,000.00
	Payments	
Withdrawn from savings bank	91.01	
Income	Transferred to city for Worthy poor	\$ 557.34
	466.33	
Total	Total	\$ 557.34

THOMAS NESMITH WORTHY POOR FUND

	Savings Deposits	Total
On hand at beginning of year		
On hand at end of year	\$ 25,000.00	\$ 25,000.00
	25,000.00	25,000.00
	Payments	
Income	Transferred to city for worthy poor	\$ 1,190.60
	1,190.60	

JOHN DAVIS LIBRARY TRUST FUND

	Saving Deposits	Par Value of Securities	Total
On hand at beginning of year		\$106,100.00	\$106,100.00
On hand at end of year	\$ 14,000.00	92,600.00	106,600.00
	Receipts		
Sale of securities	\$ 14,300.00		\$ 14,300.00
Liquidation of bank stock	200.00		1,000.00
Liquidation of bank stock in excess of par	100.00		312.50
Premiums on securities sold	965.00		2.50
Income	4,709.57		4,959.57
Total	\$ 20,274.57		\$ 20,274.57
	Payments		
Deposited in savings bank		\$ 14,000.00	\$ 14,000.00
Purchase of securities			1,000.00
Premium on securities purchased			312.50
Commission			2.50
Transferred to city for library			4,959.57
Total			\$ 20,274.57

HAPGOOD WRIGHT CENTENNIAL FUND

	Savings Deposits	Total
On hand at beginning of year	\$ 7,809.27	\$ 7,809.27
On hand at end of year	8,164.59	8,164.59
	Receipts	
Income	\$ 355.32	\$ 355.32
	Payments	
Deposited in savings banks		\$ 355.32

JOSEPH H. STACKPOLE CEMETERY FUND

	Savings Deposits	Total
On hand at beginning of year	\$ 1,000.00	\$ 1,000.00
On hand at end of year	1,000.00	1,000.00
Receipts	Payments	
Income	Transferred to city for cemetery department	\$ 45.50
		<u>\$ 45.50</u>

CEMETERY PERPETUAL CARE FUNDS

	Savings Deposits	Total
On hand at beginning of year	\$219,662.59	\$219,662.59
On hand at end of year	236,276.54	236,276.54
Receipts	Payments	
Income	Deposited in savings banks	\$ 16,613.95
Bequests	Transferred to city for cemetery department	6,500.00
Total	Total	<u>\$ 23,113.95</u>

CARNEY MEDAL FUND

	Savings Deposits	Total
On hand at beginning of year		
On hand at end of year	\$ 200.00	\$ 200.00
Receipts	200.00	200.00
Income	Payments	
	Transferred to city for school department	\$ 9.09
		<u>\$ 9.09</u>

CITY OF LOWELL

BALANCE SHEET—DECEMBER 31, 1927

REVENUE ACCOUNTS

ASSETS		LIABILITIES	
Revenue cash:		Temporary Loans:	
In bank and office	\$ 344,941.20	In Anticipation of Revenue	\$1,400,000.00
Accounts Receivable:		Premiums on Loans—Reserved for	
		Payment of Debt	846.70
Taxes:		Trust Fund Income:	
Levy of 1925	\$ 2,369.24	Carney Medal Fund	18.18
Levy of 1926	51,106.14	Thomas Nesmith Charity Fund ..	1,190.60
Levy of 1927	1,273,660.13	John Davis Library Fund	33.15
	\$1,327,135.51		\$ 1,241.93

BALANCE SHEET—Continued

Special Assessments:			
Street Sprinkling 1926	\$ 178.56		331.60
Street Sprinkling 1927	8,584.81		3,112.19
	<u>\$</u>	8,763.37	
Moth 1926	4.10		400.00
Moth 1927	159.60		1,012.29
	<u>\$</u>	1,163.70	
Sewer Assessments		3,883.85	353.00
Sidewalk Assessments		7,740.31	10.58
			1,000.00
Committed Sewer Assessment			1,015.45
Interest		84.87	464.10
			7,873.52
Tax Titles		19,973.66	4,627.54
			400.00
			52.35
			302.50
			900.00
Departmental Bills:			
Auditorium	\$ 70.00		
Buildings	240.25		
			\$ 21,855.12

BALANCE SHEET—Continued

Charity—Outdoor Relief	12,781.94
Charity—Mothers' Aid	26,105.35
Chelmsford Street Hospital	1,601.64
Fire	445.16
Health	14,066.67
Park	201.17
Police	3.75
School	2,093.20
School-Continuation	13,194.95
School-Vocational	48,173.46
Scaler	20.82
Streets and Sewers	3,820.99
Law	18.40
	\$ 122,837.75
Due from State:	
State Aid	\$ 3,792.00
Military Aid	1,462.50
	\$ 5,254.50
Water Rates	7,952.72
Cemetery Bills	10,711.40
Water Works Deficit	48,129.02
Overdrawn Accounts:	
Levy of 1923	\$ 164.01
Levy of 1926	266.00
	\$ 430.01
	\$1,909,901.87

NON-REVENUE ACCOUNTS

ASSETS

Non-revenue Cash :

In banks and office

\$ 36,232.97

LIABILITIES

Appropriation Balances :

Fire Equipment\$ 824.07

First Street Extension 6,711.51

Macadam Pavement 6,065.63

Memorial Auditorium 223.35

Memorial Auditorium (Additional

Loan) 440.78

Oakland Fire House 60.91

Park—Ayer Field 54.30

Park—Riverside Street 4,487.68

Paving—Permanent 53.63

Playground—General 1,096.33

Playground—Centralville 277.06

Playground—Morey Street 2,423.11

Playground—John J. O'Donnell... 41.08

Public Bath and Comfort Station 48.50

School Houses 424.43

School House—New High School 110.73

Sewer Construction 4,510.56

Water Department Equipment 8,379.31

\$ 36,232.97

\$ 36,232.97

\$ 36,232.97

INDEBTEDNESS

Net Funded or Fixed Debt	\$5,190,230.00	Serial Loans :	
		3¾% Loans	\$ 255,000.00
		4% Loans	1,272,280.00
		4¼% Loans	934,700.00
		4½% Loans	988,250.00
		4¾% Loans	264,000.00
		5% Loans	1,281,000.00
		5¼% Loans	26,000.00
		5½% Loans	169,000.00
			<u>\$5,190,230.00</u>
	<u>\$5,190,230.00</u>		
			<u>\$5,190,230.00</u>

TRUST FUNDS

Trust Funds:			
Cash and Securities	\$ 387,241.13	Johnathan Tyler Worthy Poor Fund	\$ 10,000.00
		Thomas Nesmith Worthy Poor Fund	25,000.90
		John Davis Library Fund (par value)	106,600.00
		Hapgood Wright Centennial Fund	7,343.79
		Hapgood Wright Centennial Fund Income	820.80
		Joseph H. Stackpole Cemetery Fund	1,000.00
		Cemetery Perpetual Care Funds	236,276.54
		Carney Medal Fund	200.00
			<u>\$ 387,241.13</u>
	<u>\$ 387,241.13</u>		<u>\$ 387,241.13</u>

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55th Annual Report
OF THE
WATER WORKS
OF THE
CITY OF LOWELL, MASS.

Year Ending December 31, 1927



Including Reports of the Superintendent,
City Engineer and Registrar

1927

The annual report of the operation of the Water Works Department of the City of Lowell for 1927 by the

Superintendent, THOMAS P. McDERMOTT,
Engineer, STEPHEN KEARNEY,
Registrar, J. W. CRAWFORD.

The following tables will show the financial operation of the
Water Works Department for the year 1927.

J. W. CRAWFORD,
Registrar.

LOWELL WATER WORKS
CONSOLIDATED STATEMENT, 1927

RECEIPTS		EXPENDED	
Water Meter rates.....	\$325,778.07	Operation and Repairs.....	\$284,183.62
Flat “.....	10,438.05	Interest.....	8,981.25
Miscellaneous.....	23,107.67	Payments.....	24,000.00
		Construction.....	23,188.90
		Refunds.....	289.77
		Balance January 1, 1928.....	18,680.25
	<u>\$359,323.79</u>		<u>\$359,323.79</u>

PRINCIPAL AND INTEREST PAYMENTS, LOWELL WATER WORKS, 1927

Title		Amount Jan. 1, 1927	Amount Payment	Interest Paid 1927	Amount Jan. 1, 1928	Amount Original loan	Rate
P. S. Reservoir and Mains.....	1912—1932	\$22,500.00	\$ 3,750.00	\$ 900.00	\$18,750.00	\$75,000.00	4 % Mar.-Sept.
P. S. Reservoir and Mains	1913—1933	26,250.00	3,750.00	1,181.25	22,500.00	75,000.00	4½% Feb.-Aug.
Land.....	1914—1944	9,000.00	500.00	360.00	8,500.00	15,000.00	4 % Feb.-Au 4.
Purification Plant.....	1915—1935	99,000.00	11,000.00	3,740.00	88,000.00	225,000.00	4 % Apr.-Oct.
Ext'n Mains.....	1925—1940	70,000.00	5,000.00	2,800.00	65,000.00	75,000.00	4 % Jan.-July
Dep't Equipment.....	1927—1932	25,000.00	— — — —	— — — —	25,000.00	25,000.00	4 % Aug.-Feb.
Total.....	.....	\$251,750.00	\$24,000.00	\$8,981.20	\$227,750.00		

LOWELL WATER WORKS

CHARGES AND RECEIPTS, 1927

EXPENDED 1927

Charges	Main't.	Const.	Water	Total	Administration Expense:	
Jan.-Mar.	\$ 3,885.51	\$ 2,830.63	62,788.08	\$ 69,504.22	Payroll.....	\$33,995.39
Apr.-June	4,452.52	995.67	82,032.27	87,480.46	Supplies.....	1,916.97
July-Sept.	4,170.03	1,902.34	140,241.69	146,314.06	General Expense:	
Oct.-Nov.	5,093.40	1,434.63	68,237.77	74,765.80	Payroll.....	94,915.15
					Supplies.....	20,457.43
					Pumping Station Expense:	
Total	\$17,601.46	\$7,163.27	\$353,299.81	\$378,064.54	Payroll.....	59,247.83
Add Transfer					Supplies.....	37,199.17
Jan. 1, 1927				9,026.11	Meter Expense:	
					Payroll.....	11,854.19
					Supplies.....	7,682.16
					Filter Expense:	
Less Abatements.....			4,646.36	\$387,090.65	Payroll.....	15,593.37
Less Discounts.....			15,355.17	20,001.53	Supplies.....	1,321.96
					Construction Expense:	
					Payroll.....	13,384.07
Less Transfer Jan. 1, 1928.....				367,089.12	Supplies.....	9,804.83
				7,765.33		
					Interest.....	\$307,372.52
					Principal.....	8,981.25
					Refunds.....	24,000.00
						289.77
Total Cash Receipts 1927.....				\$359,323.79	Total Expended.....	\$340,643.54

FINANCIAL STATEMENT
LOWELL WATER WORKS, 1927

Maintenance

Labor

Office and officers	\$33,995.39	
Pumping station	59,247.83	
Filter	15,593.37	
General maintenance	94,915.15	
Meters	11,854.19	
	<hr/>	\$215,605.93

Material:

Water works supplies	\$22,374.40	
Pumping station supplies	3,859.38	
Coal	33,339.79	
Filter Supplies	1,321.96	
Meters	7,682.16	
	<hr/>	\$ 68,577.69
		<hr/>
		\$284,183.62

Construction

Labor	\$13,384.07	
Material	9,804.83	
	<hr/>	\$ 23,188.90

LOWELL WATER WORKS
DEPARTMENT EQUIPMENT LOAN 1927

Loan	\$25,000.00	
Expended, Payroll	\$14,125.83	
Miscellaneous expenses	2,494.86	
	<hr/>	16,620.69
		<hr/>
Balance to 1928	\$	8,379.31

Superintendent's Report

METERS RUNNING JANUARY 1, 1928

Sizes in Inches	$\frac{5}{8}$ "	$\frac{3}{4}$ "	1"	1½"	2"	3"	4"	6"	8"	Total
Badger.....	46		6	1	1					54
Columbia.....	22	1								23
Crown.....	2870	1479	246	20	39	6	5	2		4667
Desper.....	14	4	3							21
Duplex.....	1		1							2
Empire.....	268	43	10	5	6	5	1			338
Empire Compound...						1				1
Federal.....	10									10
Gem.....					4	1	4			9
Gem Empire.....							2			2
Hersey.....	2031	258	57	21	17	2	1	1	2	2390
Hersey Detector.....						1	8	27	4	40
Keystone.....	63				1					64
King.....	79	3								82
Lambert.....	805	88	21		2	1				917
Nash.....	541	116	55		2					714
Niagara.....	1									1
Thomson.....	4	3								7
Torrent.....						1	2			3
Trident.....	556	34	1	1						592
Trident Protect.....								2	1	3
Union.....	18	3								21
Watch Dog.....	3082	334	181	70	55	4	2			3728
Watch Dog Comp.....						4	1	2		7
Watch Dog Curr.....							1	1		2
Worthington.....	25		18	18	21	6	2			90
Worthington Disc.....	754	34	22	11	12	4				837
Total	11190	2400	621	147	160	36	29	35	7	14625

METERS

Meters running January 1, 1927.....	14,487
New meters set 1927.....	160
Meters condemned 1926, replaced 1927.....	42
Meters discontinued 1927.....	16
Meters condemned, not replaced.....	48
Total increase for year.....	138
Meters running January 1, 1928.....	14,625

Meters condemned for 1927.....	272
Meters condemned 1926, replaced 1927.....	42
Meters condemned 1927, replaced 1927.....	224
Meters changed 1927.....	20
Private meters sold.....	9
Meters out on account of being stopped.....	1,697
Meters frozen.....	107
Meters out for test.....	7
Meters out for stock.....	27
Meters out for store.....	24
Meters out, leaking.....	25
Meters out—register hands gone.....	6

NEW HYDRANTS, 1927

Christman Avenue.....	Ludlow
East View St.....	Kennedy
Opposite 182 Emery Avenue.....	Chapman
Gardner Avenue.....	Kennedy
Luce St.....	Kennedy
Malden and Shirley Avenue.....	Ludlow
Shirley Avenue.....	"
Melrose Avenue.....	"
Ridge Road.....	"
Ridge Road.....	Smith
Nr. 35 Waterford St.....	Kennedy

 11 Hydrants

DISCONTINUED HYDRANTS, 1927

At No. 4 Boulevard Station.....	Took out 6"	Ludlow
Back of Filter Plant.....	"	"
At 57 Hampstead St.....	"	"
Howe's Ct. off Thorndike St.....	"	"
Wilson St. at Bagshaw's.....	"	"

(Private)

HYDRANTS, JANUARY 1, 1928

	Flush	2 Noz.	3 Noz.	4 Noz.	Total
Boston Machine.....	117		156		156
Chapman.....		3	80	40	120
Corey.....			57		57
Eddy.....			75	1	76
Fairbanks.....			19		19
Flush.....					117
Glanmorgan.....			1		1
Kennedy.....			143		143
Lowrey..... 7					7
Ludlow.....		30	782	14	826
O'Brien.....			1		1
A. P. Smith.....			49		49
Perkins.....				1	1
Pratt & Cady.....			23		23
Walker.....			11		11
Totals..... 7	117	33	1397	56	1610

HYDRANTS CHANGED, 1927

Location	Took Out	Set
Agawam, cor. Barrington St.....	Flush.....	Kennedy
Opp. 42 Amory St.....	Ludlow.....	Ludlow
Opp. 32 Blossom St.....	Flush.....	Kennedy
Near 213 Branch St.....	Flush.....	Kennedy
Near 249 Branch St.....	Flush.....	Kennedy
Chapel cor. Union St.....	Flush.....	Kennedy
Near 981 Central St.....	Flush.....	Kennedy
Chelmsford, opp. Short St.....	Ludlow.....	Ludlow
Chester, cor. Princeton.....	Chapman....	Kennedy
Chestnut cor. Willow St.....	Flush.....	Kennedy
Concord, cor. Sherman St.....	Boston.....	Ludlow
Near 60 Fulton St.....	Boston.....	Ludlow
Green near George St.....	Ludlow.....	Kennedy
Hildreth near Boynton St.....	Flush.....	Kennedy
Hovey cor. Holyrood Ave.....	Chapman....	Kennedy
Near 112 Jackson St.....	Flush.....	Kennedy
Jewett cor. Hampshire Pl.....	Boston.....	Kennedy
Kinsman cor. Chambers.....	Chapman....	Kennedy
Near 52 Lincoln St.....	Flush.....	Kennedy
Near 86 Lincoln St.....	Flush.....	Kennedy
Near 26 London St.....	Flush.....	Chapman
Near 68 London St.....	Flush.....	Boston
Manufacturers St.....	Flush.....	Chapman-4 Way
Market cor. Dummer St.....	Corey.....	Kennedy
Near 38 Methuen St.....	Flush.....	Kennedy
Middlesex opp. Queen St.....	Flush.....	Kennedy
Near 60 Middlesex St.....	Flush.....	Kennedy
Ottawa St. cor. Lakeview Ave.....	Walker.....	Kennedy
Pawtucket cor. Rolfe St.....	Chapman....	Kennedy
Opp. 81 Rock St.....	Chapman....	Ludlow
Salem opp. Dane St.....	Flush.....	Kennedy
Shaffer St. at Shoe Shop.....	Chapman....	Kennedy
Near 148 Smith St.....	Flush.....	Kennedy
Starbird cor. Woodward Ave.....	Chapman....	Kennedy
Sumner St. cor. Thorndike.....	Flush.....	Kennedy
Tanner St. at Scannells'.....	Ludlow.....	Kennedy
Tilden cor. Arkwright St.....	Flush.....	Kennedy
Tremont cor. Bradford St.....	Flush.....	Kennedy
Vernon near Bennett St.....	Flush.....	Kennedy
Wilder opp. Princeton St.....	Ludlow.....	Kennedy
Williams cor. George St.....	Chapman....	Kennedy
Worthen near Broadway.....	Flush.....	Kennedy

42 Hydrants Changed

SERVICES CHANGED—1927

No.	Kind	CHANGED TO					
		Gal. Iron $\frac{3}{4}$ "	Gal. Iron 1"	Gal. Iron $1\frac{1}{2}$ "	Gal. Iron 2"	Total	
						Ft.	In.
36	$\frac{3}{4}$ in. Iron.....	727-10				727	10
2	$\frac{3}{4}$ " "		71-6			71	6
1	$\frac{3}{4}$ " "				7	7	
13	1 " "	233-7				233	7
20	1 " "		369-9			369	9
2	$1\frac{1}{2}$ " "		58-7			58	7
1	$1\frac{1}{2}$ " "			42-6		42	6
5	2 " "				62-4	62	4
23	$\frac{5}{8}$ in. Lead.....	316				316	
1	$\frac{5}{8}$ " "		56			56	
50	$\frac{3}{4}$ " "	853-11				853	11
9	$\frac{3}{4}$ " "		366-3			366	3
2	$\frac{3}{4}$ " "			48-1		48	1
10	1 " "		141-5			141	5
1	1 " "	9-6				9	6
1	1 " "				39	39	
22	$\frac{3}{4}$ in. L. L. I.....	448-4				448	4
2	$\frac{3}{4}$ " "			47		47	
1	1 " "	7				7	
4	1 " "		68-9			68	9
181	$\frac{3}{4}$ in. T. L. I.....	3257-6				3257	6
10	$\frac{3}{4}$ " "		484-2			484	2
2	$\frac{3}{4}$ " "			73		73	
2	1 " "	35				35	
21	1 " "		613-4			613	4
1	1 " "			19-6		19	6
33	$\frac{3}{4}$ in. Gal. Iron.....	523				523	
4	$\frac{3}{4}$ " " "		127-6			127	6
3	$\frac{3}{4}$ " " "			20-6		20	6
12	1 " " "		252-10			252	10
2	1 " " "			75-6		75	6
2	$1\frac{1}{2}$ " " "				74-8	74	8
294		6411-8	2610-1	326-1	183-0	9530	10

NEW SERVICES, 1927

No.	Kind	Feet	In.
93.... $\frac{3}{4}$ "	Galvanized Iron.....	4,255	11
21.... 1 "	" "	894	5
15.... $1\frac{1}{2}$ "	" "	662	10
4.... 2 "	" "	224	4
1.... $1\frac{1}{2}$ "	Copper.....	84	4
1.... 2 "	" "	60	10
4.... $\frac{3}{4}$ "	Lead.....	37	
3.... 6 "	Cast Iron.....	82	11
<hr/>		<hr/>	<hr/>
142		6,302	7

Total formerly laid, feet.....	655,588	5
Total now laid, feet.....	661,891	0
Total number services laid.....	17,385	
Total cut off at main.....	1,153	
Total number reconnected.....	118	
Total number now in use.....	16,350	

LOW SERVICE—WATER PIPE LAID DURING THE YEAR 1927

Street	Location	Length of Pipe in Feet		
		4"	6"	8"
Branch St.....	Moving Hydrant near Dover St.....		10.7	
Branch St.....	Moving Hydrant near No. 213.....		4.0	
Chelmsford St....	From Stevens St., southerly.....			139.5
Christman St....	From old end easterly to No. 57.....		186.5	
Malden St.....	From old end easterly to Shirley Ave.....		244.0	
Market St.....	Fire Service to Lowell Electric Light Co.....		10.5	
Melrose Ave....	From Pawtucket Boul. northerly.....		556.5	
Merrimack St....	Fire Service to A. G. Pollard Co.....		40.5	
Middle St.....	Fire Service to No. 66.....		31.5	
Middle St.....	Fire Service to A. G. Pollard extended.....		12.5	
Mt. Grove St....	From Third Ave. to Fourth Ave.....		400.0	
Parker Rd.....	From Florence Rd., easterly.....			380.0
Parker St.....	Hydrant at Highland Ave., extended northerly..		9.0	
Pawtucket Bou..	From Shirley Ave., easterly to Melrose Ave....			243.0
Pawtucket Bou..	From Shirley Ave., westerly.....			25.0
Shirley Ave.....	From Pawtucket Boulevard to Malden Ave....			855.7
Tanner St.....	Extending Hydrant at No. 34.....		27.5	
White St.....	From old end northerly to Emery Ave.....		62.0	
Winthrop Ave....	From old end at No. 71 to connect at No. 95...		251.5	

HIGH SERVICE—WATER PIPE LAID DURING THE YEAR 1927

Street	Location	Length of Pipe in Feet		
		4"	6"	8"
Arbor Rd.....	From old end southerly to Frothingham St.....		34.5	
East View St.....	From Butman Rd., easterly to Ridge Rd.....			230.7
Frothingham St..	From Arbor Rd., westerly.....		57.0	
Glenwood St.....	From Luce St., easterly.....			157.0
Luce St.....	From old end southerly to East View St.....			200.0
Ridge Rd.....	From Glenwood St., to East View St.....		32.0	930.3

HIGH SERVICE—LIST OF STOP GATES SET DURING THE YEAR 1927

Street	Location	Size			
		4"	6"	8"	12"
Durant St.....	On High Service Line opp. Sanborn St., 11 ft. W. of W. L. Durant.....				1
Frothingham St..	On W. L. Arbor Rd., 14 ft. S. of N. L. Frothingham St.....		1		
Glenwood St.....	On E. L. Luce St., 14 ft. S. of N. L. Frothingham St.....			1	
*Ridge Rd.....	30 ft. N. of S. L. Glenwood, 14 ft. E. of W. L. Ridge Rd.....		1		
*Ridge Rd.....	On N. L. East View St., 14 ft. E. of W. L. Ridge Rd.....			1	

HIGH SERVICE—LIST OF HYDRANTS SET DURING THE YEAR 1927

Street	Kind	Location
East View St.....	Kennedy.....	On north side at Ridge Rd.....
Luce St.....	Kennedy.....	On west side at East View St.....
Ridge Rd.....	Ludlow.....	On west side 400 ft. S. of Glenwood St.....
Ridge Rd.....	Smith.....	On west side 700 ft. S. of Glenwood St.....

SMALL SIZE DISTRIBUTION PIPE LAID DURING THE YEAR 1927

Street	Location	Size and Length		
		1"	1½"	2"
Congress Ave.....	From Congress St., easterly.....			109.
Everett St.....	From Fayette St., easterly.....			200.9
Exchange Place..	From old end, westerly.....	25.7		
Foch St.....	From Webber St., easterly.....	288.5		
Gage St.....	From Salem St., easterly.....			229.6
Hampton Ave....	From old end, easterly.....		20.5	
Ready's Ave....	From old end, westerly.....		16.5	

LOW SERVICE—LIST OF STOP GATES SET DURING THE YEAR 1927

Street	Location	Size		
		4"	6"	8"
Central St.....	On Hyd. opp. Crosby St., 9 ft. E. of W. L. Central.....	1		
Chapel St.....	4 ft. N. of N. L. Elm St., 14 ft. E. of W. L. Chapel.....	1		
Chapel St.....	On Hyd. at S. S. Union St., 9 ft. E. of W. L. Chapel.....	1		
Chelmsford St...	On Hyd. opp. Short St., 9 ft. E. of W. L. Chelmsford.....	1		
Chester St.....	On Hyd. at Princeton Bou., 7½ ft. W. of E. L. Chester.....	1		
Concord St.....	On Hyd. at Sherman St., 8 ft. E. of W. L. Concord.....	1		
Hildreth St.....	On Hyd. at Boynton St., 8 ft. W. of E. L. Hildreth.....	1		
Jackson St.....	On Hyd. at No. 112, 12 ft. N. of S. L. Jackson.....	1		
Jewett St.....	On Hyd. at Hampshire Pl., 9 ft. W. of E. L. Jewett.....	1		
*Market St.....	On Fire Service to Lowell Elec. Lt. Co., 17 ft. S. of N. L. Market	1		
Melrose Ave.....	On N. L. Pawtucket Bou., 12 ft. E. of W. L. Melrose Ave.....	1		
*Merrimack St...	On Fire Service to A. G. Pollard, 26½ ft. S. of N. L. Merrimack.	1		
*Middle St.....	On Fire Service to No. 66, 18 ft. S. of N. L. Middle.....	1		
Middlesex St...	On Hyd. at No. 60, 13 ft. N. of S. L. Middlesex.....	1		
Mt. Grove St...	On W. L. Third Ave., 14 ft. S. of N. L. Mt. Grove.....	1		
Mt. Grove St...	3 ft. E. of E. L. Fourth Ave., 14 ft. S. of N. L. Mt. Grove.....	1		
Parker Rd.....	On E. L. Florence Rd., 15 ft. S. of N. L. Parker Rd.....		1	
Parker St.....	On Hyd. at Highland Ave., 6 ft. S. of N. L. Parker St.....	1		
Pawtucket Bou..	On W. L. Shirley Ave., 26 ft. S. of N. L. Pawtucket Bou.....		1	
Shirley Ave.....	On N. L. Pawtucket Bou., 12 ft. E. of W. L. Shirley Ave.....		1	
Shirley Ave.....	On S. L. Malden Ave., 12 ft. E. of W. L. Shirley Ave.....		1	
Stevens St.....	On Hyd. at No. 833, 10 ft. E. of W. L. Stevens St.....	1		
Tanner St.....	On Hyd. at No. 34, 22 ft. S. of Hyd. 10 ft. W. of E. L. Tanner St.	1		
*Third Ave.....	On Hyd. W. S. at S. L. Mt. Grove, 11½ ft. E. of W. L. Third Ave.	1		
Tilden St.....	On Hyd. at Arkwright St., 9½ ft. E. of W. L. Tilden St.....	1		
Tremont St.....	On Hyd. at Bradford St., 10 ft. W. of E. L. Tremont St.....	1		
*Waterford St...	On Hyd. at No. 35, 6½ ft. S. of Hyd.....	1		
White St.....	On S. L. Emery Ave., 13 ft. E. of W. L. White St.....	1		
Lowell Bleachery	31 ft. S. of Dye House, 25 ft. E. of same on line to Meter.....			1
Lowell Bleachery	20 ft. S. of Dye House, 27 ft. E. of same on line to Meter.....			1

LOW SERVICE—LIST OF HYDRANTS SET DURING THE YEAR 1927

Street	Kind	Location
Christman Ave.	Ludlow	On N. S. opp. No. 57
Emery Ave.	Chapman	On N. S. opp. No. 182
Gardner Ave.	Kennedy	On E. S. at No. 46
Melrose Ave.	Ludlow	On W. S. 530 ft. N. of Pawtucket Bou.
Shirley Ave.	Ludlow	On W. S. at Pawtucket Bou.
Shirley Ave.	Ludlow	On W. S. at Malden Ave.
Temple St.	Chapman	On E. S. at No. 46
Waterford St.	Kennedy	On N. S. at No. 35

LOW SERVICE—LIST OF STOP GATES REMOVED DURING THE YEAR 1927

Street	Location	Size		
		4"	6"	8"
Lowell Bleachery	22 ft. S. of Dye House, 8 ft. W. of W. Stove House			1

LOW SERVICE—LIST OF HYDRANTS REMOVED DURING THE YEAR 1927

Street	Kind	Location
Hampstead St.	Ludlow	On N. S. opp. No. 57
Howes Ct.	Ludlow	On N. S. at end.
Temple St.	Chapman	On E. S. opp. Hillside
Wilson St.	Ludlow	Private Hydt. in Bagshaw yard
Boulevard	Ludlow	At Filter
Pawtucket Bou.	Ludlow	At old Station

SUMMARY

Low Service water pipe laid in 1927.....	3,490. ft.
Low Service water pipe laid previous to 1927.....	850,830.5 ft.
	<hr/> 854,320.5 ft.
Low Service water pipe removed in 1927.....	00.0 ft.
Total Low Service water pipe in use Jan. 1, 1928.....	854,320.5 ft.
High Service water pipe laid in 1927.....	1,641.5 ft.
High Service water pipe laid previous to 1927.....	64,555.9 ft.
	<hr/> 66,197.4 ft.
High Service water pipe removed 1927.....	00.0 ft.
Total High Service water pipe in use Jan. 1, 1928....	66,197.4 ft.
	<hr/>
Total High and Low Service Jan. 1, 1928.....	920,517.9 ft.
Total pipe in use Jan. 1, 1928 in miles.....	174.34ft.

LOW SERVICE

4".....	34,946.8 feet
6".....	486,996. "
8".....	178,050.5 "
10".....	31,308.5 "
12".....	74,366.8 "
16".....	26,235.9 "
20".....	8,659 "
24".....	9,194 "
30".....	4,563 "
Total	<hr/> 854,320.5 "

HIGH SERVICE

4".....	1,573 feet
6".....	37,907.7 "
8".....	8,869.5 "
10".....	2,931 "
12".....	8,403.5 "
16".....	6,512.7 "
	<hr/>
Total	66,197.4 "

Low Service Hydrants set in 1927.....	8
High Service Hydrants set in 1927.....	4
Low Service Hydrants removed in 1927.....	6
High Service Hydrants removed in 1927.....	0

	SIZE					
	4"	6"	8"	12"	16"	
Low Service Stop Gates set in 1927.....	0	24	6	0	0	= 30
Low Service Stop Gates removed in 1927.....	0	0	1	0	0	= 1
High Service Stop Gates set in 1927.....	0	2	2	1	0	= 5
High Service Stop Gates removed in 1927.....	0	0	0	0	0	= 0

Report of the City Engineer

OFFICE OF THE CITY ENGINEER,

LOWELL, MASS., January 1, 1928.

I have the honor to submit the fifty-fifth annual report for the year ending December 31, 1927.

PUMPAGE

Total Net Pumpage for 1927.....	2,071,991,152 gallons
Total Net Pumpage for 1926.....	2,112,684,977 gallons
Decrease in 1927.....	40,693,825 gallons

CONSUMPTION

Consumption in 1927.....	2,070,882,376 gallons
Consumption in 1926.....	2,111,643,192 gallons
Decrease in 1927.....	40,760,816 gallons

The maximum pumpage for any one day was on Sunday, Feb. 27th, viz:

At West Sixth Street Station.....	5,184,700 gallons
At Cook Wells Station.....	1,862,400 gallons
Total.....	7,047,100 gallons

The maximum pumpage for one week was of the week of February 25th to March 3rd, viz.:

At West Sixth Street Station.....	33,799,240 gallons
At Cook Wells Station.....	10,841,600 gallons
Total.....	44,640,840 gallons
High Service Pumpage for 1927.....	48,082,395 gallons
High Service Pumpage for 1926.....	33,550,000 gallons
Cost of Low Service Pumpage in 1927.....	\$40.73 per million gals.
Cost of Low Service Pumpage in 1926.....	40.17 per million gals.
Increase in 1927.....	0.56 per million gals.
Cost of High Service Pumpage in 1927.....	24.57 per million gals.
Cost of High Service Pumpage in 1926.....	33.84 per million gals.
Cost of Low Service Pumpage, exclusive of Cook Wells, in 1927.....	39.87 per million gals.
Total Cost of High Service Pumpage (Cost of Low Service plus Cost of High Service, exclusive of Cook Wells), in 1927.....	\$62.40 per million gals.

TABLE SHOWING QUANTITY PUMPED EACH MONTH AT THE SEVERAL STATIONS
DURING THE YEAR 1927

Months	PUMPING STATIONS										Grand Totals	Net Totals
	Driven Wells				West Sixth Street							
	Cook Wells	Pawtucket Boulevard			Net Totals	Snow Worthing-ton	Allis-Chalmers	Total Low Service	High Service			
		Holly Pump	Kerr Turbine	Totals								
January	24,550,400	204,345,000	202,560,865	431,456,265	24,550,400	31,349,019	128,732,209	160,081,228	4,526,320	596,063,813	184,631,628	
February	34,560,000	92,025,000	90,081,039	216,666,039	34,560,000	54,667,973	79,901,231	134,569,204	3,511,800	354,747,043	169,129,204	
March	26,841,600	154,035,000	152,766,112	333,642,712	26,841,600	112,820,377	41,323,866	154,144,243	3,804,450	491,591,405	180,985,843	
April	14,374,400	155,040,000	153,933,863	323,348,263	14,374,400	112,254,752	40,558,532	152,813,284	3,980,040	480,141,587	167,187,684	
May	11,251,200	160,845,000	159,106,673	331,202,873	11,251,200	26,659,128	134,076,342	160,735,470	4,038,570	495,976,913	171,986,670	
June	10,240,000	167,505,000	165,502,152	343,247,152	10,240,000	50,083,605	117,912,449	167,996,054	4,857,990	516,101,196	178,236,054	
July	646,400	186,540,000	185,248,810	372,435,210	646,400	44,665,732	140,391,946	185,057,678	4,331,220	561,824,108	185,704,078	
August		176,130,000	174,469,947	350,599,947		54,417,469	120,237,780	174,655,249	3,492,290	528,747,486	174,655,249	
September		172,455,000	170,121,359	342,576,359			165,504,798	165,504,798	3,784,940	511,866,097	165,504,798	
October		177,510,000	176,106,057	353,616,057		68,819,458	100,607,227	169,426,685	4,136,120	527,178,862	169,426,685	
November		161,490,000	159,122,325	320,612,325		78,239,060	76,780,820	155,019,880	3,941,020	479,573,225	155,019,880	
December		175,470,000	173,815,515	349,285,515		18,689,336	150,834,043	169,523,379	3,677,635	522,486,529	169,523,379	
Totals	122,464,000	1,983,390,000	1,962,834,717	4,068,688,717	122,464,000	652,665,909	1,296,861,243	1,949,527,152	48,082,395	6,066,298,264	2,071,991,152	

TABLE SHOWING SOURCE OF SUPPLY, QUANTITY PUMPED, AND COST OF PUMPING AT THE
SEVERAL STATIONS DURING THE YEAR 1927

Pumping Station	Source of Supply—Well Water				Cost	
	555 Driven Wells at Pawtucket Boulevard	210 Driven Wells in Valley of River Meadow Brook	Distributing Mains of Low Service System	Totals in U. S. Gallons	Totals	Per Million Gallons
West Sixth Street—Low Service.....	1,949,527,152	.....	.....	1,949,527,152	\$38,237.72	\$19.61+
High Service.....	.....	.....	48,082,395	48,082,395	1,181.43	24.57+
Cook Wells.....	.....	122,464,000	.....	122,464,000	8,581.66	70.07+
Boulevard.....	1,962,834,717	.....	.....	1,962,834,717	37,573.66	19.14+
Total Pumpage.....	.....	.....	.....	4,082,908,264	85,574.47	20.96—
Deduct Quantity at Boulevard.....	1,962,834,717	.....	.....	2,010,917,112	.....	.....
Pumped by High Service.....	.....	.....	48,082,395	.....	.....	.....
Net Pumpage.....	.....	.....	.....	2,071,991,152	85,574.47	41.30+
Cost exclusive of High Service.....	.....	.....	.....	2,071,991,152	84,393.04	40.73+
Cost exclusive of High Service and Cook Wells.....	.....	.....	.....	1,901,444,757	75,811.38	39.87+
Total Cost High Service Pumpage.....	.....	.....	.....	48,082,395	3,000.38	62.40+

The following tables, showing the performance of the engines, depth and quantity of water in the Beacon Street Reservoir and Christian Street Reservoir, average temperature of the air and water at the Christian Street Reservoir, and the average monthly and daily consumption of water have been calculated and compiled from the records kept by the engineers and gate-keeper.

TABLE SHOWING WORK DONE WITH ALLIS-CHALMERS PUMPING ENGINE AT WEST SIXTH STREET
PUMPING STATION, FOR EACH MONTH DURING THE YEAR 1927

Months	No. of days Pump- ing	Average No. of hours Pumping per day	No. of hours Pumping per month	No. of Strokes made per month	Average No. of Strokes made per minute	Average head including friction in feet	Quantity pumped per month in U. S. Gallons	Average Quantity Pumped per day in U. S. Gallons	No. Gals. of water pumped into res. per lb. total coal consumed	Duty in lbs. 1 foot high coal used in Pumping only no deduction for ashes or clinkers
January.....	25	23-31	588	926,131	26.05	183.97	128,732,209	5,149,288	855	131,286,515
February.....	17	23-18	396	574,829	24.19	190.20	79,901,231	4,700,072	818	129,775,180
March.....	9	22-27	202	297,294	24.53	190.88	41,323,866	4,591,541	862	137,445,166
April.....	9	20-27	184	291,788	26.43	190.88	40,558,532	4,506,503	862	137,133,637
May.....	26	23-18	606	964,578	26.53	190.88	134,076,342	5,156,782	860	137,046,265
June.....	22	22-44	500	848,291	28.28	190.78	117,912,449	5,359,656	857	136,657,228
July.....	24	22-55	550	1,010,014	30.61	189.34	140,391,946	5,849,664	867	136,896,330
August.....	22	22-57	505	865,020	28.55	190.88	120,237,780	5,465,353	815	129,536,008
September.....	30	23-36	708	1,190,682	28.03	190.88	165,504,798	5,516,826	807	128,444,618
October.....	19	22-44	432	723,793	27.92	190.39	100,607,227	5,295,117	845	134,858,157
November.....	16	23-36	361½	552,380	25.47	190.88	76,780,820	4,798,801	840	133,633,186
December.....	28	23-32	659	1,485,137	27.44	189.73	150,834,043	5,386,930	838	132,643,153
Totals and Averages.....	247	23-03	5,691½	9,329,937	27.32	189.81	1,296,861,243	5,250,450	840	133,235,629

TABLE SHOWING WORK DONE WITH SNOW-WORTHINGTON PUMPING ENGINE AT WEST SIXTH STREET PUMPING STATION, FOR EACH MONTH DURING THE YEAR 1927

Months	No. of days Pumping	Average No. of hours Pumping per day	No. of hours Pumping per month	No. of Strokes made per month	Average No. of Strokes per minute	Average head including friction in feet	Quantity pumped in U. S. Gallons	Average Quantity Pumped per day in U. S. Gallons	No. Gals. pumped into res. total coal consumed	Duty in lbs. 1 foot high coal used in Pumping only no deduction for ashes or clinkers
January.....	7	22-04	154½	173,199	18.68	184.95	31,349,019	4,478,431	710	109,440,548
February.....	12	22-50	274	302,033	18.37	186.81	54,667,973	4,555,664	712	110,941,517
March.....	23	23-16	535	623,317	19.42	190.88	112,820,377	4,905,233	715	114,002,399
April.....	23	23-01	529½	620,192	19.52	190.88	112,254,752	4,880,641	716	113,936,887
May.....	6	21-40	130	147,288	18.88	190.88	26,659,128	4,443,188	717	114,126,282
June.....	10	21-48	218	276,705	21.15	190.88	50,083,605	5,008,360	720	114,760,077
July.....	9	22-23	192½	246,772	21.36	190.88	44,665,732	4,962,859	722	113,265,454
August.....	11	21-27	236	300,649	21.23	190.88	54,417,469	4,947,042	717	112,692,240
September.....										
October.....	14	22-11	310½	380,218	20.41	188.58	68,819,458	4,915,675	714	112,179,061
November.....	16	22-19	357	432,260	20.18	190.88	78,239,060	4,889,941	703	112,148,182
December.....	4	21-00	84	103,256	20.49	190.88	18,689,336	4,672,334	707	112,738,594
Totals and Averages.....	135	22-22	3021	3,605,889	19.89	190.06	652,665,909	4,834,562	712	112,991,674

TABLE SHOWING WORK DONE WITH HIGH SERVICE ENGINE "STEAM TURBINE" AT WEST SIXTH STREET PUMPING STATION, FOR EACH MONTH DURING THE YEAR 1927

Months	No. of days Pumping	Average No. of hours Pumping per day	No. of hours Pumping per month	Average head including friction in feet	Quantity Pumped per month in U. S. Gallons	Average Quantity Pumped per day in U. S. Gallons	No. Gals. of water Pumped into reservoir per lb. total coal consumed	Coal in pounds used when Pumping
January.....	31	3-45	116	76.03	4,526,320	146,010	390	11,600
February.....	28	3-13	90	69.80	3,511,800	125,421	390	9,000
March.....	28	3-29	97½	69.12	3,804,450	122,724	390	9,750
April.....	28	3-39	102	69.12	3,980,040	132,668	390	10,200
May.....	31	3-20	103½	69.12	4,038,570	130,276	390	10,350
June.....	29	4-18	124½	69.22	4,857,990	161,933	390	12,450
July.....	31	3-35	111	70.66	4,331,220	139,717	390	11,100
August.....	30	2-59	89½	69.12	3,492,290	112,654	390	8,950
September.....	30	3-14	97	69.12	3,784,940	126,165	390	9,700
October.....	31	3-25	106	69.60	4,136,120	133,423	390	10,600
November.....	29	3-29	101	69.12	3,941,020	131,367	390	10,100
December.....	31	3-02	94½	70.27	3,677,635	118,633	390	9,425
Totals and Averages.....	357	3-27	1232¼	70.19	48,082,395	131,733	390	123,225

TABLE SHOWING WORK DONE WITH DEAN ENGINES AT COOK WELLS PUMPING STATION, FOR
EACH MONTH DURING THE YEAR 1927

Months	No. of days Pump- ing	Average No. of hours Pumping per day	No. of hours Pumping per month	No. of Strokes made per month	Average No. of Strokes made per minute	Average head including friction in feet	Quantity pumped per month in U. S. Gallons	Average Quantity Pumped per day in U. S. Gallons	No. Gals. of water pumped into Dis- tributing Mains per lb. total coal consumed	Duty in lbs. 1 foot high coal used in Pumping only no deduction for ashes or clinkers.
January.....	31	11-14	348	383,600	18.37	169.86	24,550,400	791,948	193	27,481,359
February.....	28	16-51	472	540,000	19.07	173.21	34,560,000	1,234,285	202	29,206,048
March.....	28	13-04	366	419,400	19.10	177.20	26,841,600	958,628	170	25,131,143
April.....	25	7-48	195	224,600	19.20	176.83	14,374,400	574,976	147	21,595,160
May.....	15	7-56	119	175,800	24.62	179.89	11,251,200	750,080	136	20,393,782
June.....	13	7-35	98½	160,000	27.07	179.20	10,240,000	787,692	134	20,012,381
July.....	1	6-30	6½	10,100	25.90	180.83	646,400	646,400	129	19,504,017
August.....										
September.....										
October.....										
November.....										
December.....										
Total and Averages.....	141	11-23	1605	96,300	19.87	175.23	122,464,000	868,539	172	25,082,023

TABLE SHOWING WORK DONE WITH HOLLY HIGH DUTY ENGINE (CRANK AND FLY WHEEL)
AT BOULEVARD PUMPING STATION, FOR EACH MONTH DURING THE YEAR 1927

Months	No. of days Pumping	Average No. of hours Pumping per day	No. of hours Pumping per month	No. of Strokes made per month	Average No. of Strokes made per minute	Average head including friction in feet	Quantity Pumped per month in U. S. Gallons	Average Quantity Pumped per day in U. S. Gallons
January.....	31	23-47	737½	1,362,300	30.79	57.99	201,345,000	6,591,774
February.....	28	24-00	672	613,500	15.22	58.40	92,025,000	3,286,607
March.....	31	23-48	738	1,026,900	23.19	58.68	154,035,000	4,968,871
April.....	30	23-57	718½	1,033,600	23.98	58.61	155,040,000	5,168,000
May.....	31	23-50	739	1,072,300	24.18	57.77	160,845,000	5,188,548
June.....	30	23-51	715½	1,116,700	26.01	58.04	167,505,000	5,583,500
July.....	31	24-00	744	1,243,600	27.86	57.88	186,540,000	6,017,419
August.....	31	23-46	737	1,174,200	26.55	56.35	176,130,000	5,681,612
September.....	30	23-46	713	1,149,700	26.64	54.95	172,455,000	5,748,500
October.....	31	23-57	742½	1,183,400	26.56	55.33	177,510,000	5,726,129
November.....	30	24-00	720	1,076,600	24.92	52.62	161,490,000	5,383,000
December.....	31	23-50	739	1,169,800	26.38	54.27	175,470,000	5,660,322
Totals and Averages.....	365	23-53	8716	13,222,600	25.28	56.73	1,983,390,000	5,433,945

TABLE SHOWING AMOUNT OF COAL USED FOR ALLIS-
CHALMERS ENGINE AT PUMPING STATION, WEST SIXTH
STREET, DURING THE YEAR 1927

Months	COAL CONSUMED			
	For Starting Fires in pounds	When Pumping in pounds	For Banking Fires in pounds	Total in pounds
January.....	1000	150,500		151,500
February.....	500	97,700		98,200
March.....	300	47,880		48,180
April.....	500	47,100		47,600
May.....		155,800		155,800
June.....	700	137,400		138,100
July.....	1000	162,000		163,000
August.....		147,820		147,820
September.....	1300	205,200		206,500
October.....	700	118,500		119,200
November.....	840	91,500		92,340
December.....	2000	180,000		182,240
Totals.....	8840	1,541,400		1,550,240

TABLE SHOWING AMOUNT OF COAL USED FOR SNOW
 WORTHINGTON ENGINE AT PUMPING STATION, WEST
 SIXTH STREET, DURING THE YEAR 1927

Months	COAL CONSUMED			
	For Starting Fires in pounds	When Pumping in pounds	For Banking Fires in pounds	Total in pounds
January.....	500	44,200		44,700
February.....	350	76,800		77,150
March.....	800	157,600		158,400
April.....	700	156,900		157,600
May.....		37,200		37,200
June.....	620	69,500		70,120
July.....	540	62,800		63,340
August.....		76,900		76,900
September.....		0		0
October.....	500	96,520		97,020
November.....	700	111,100		111,800
December.....	230	26,400		26,630
Totals.....	4940	915,920		920,860

TABLE SHOWING AMOUNT OF COAL USED FOR DEAN
ENGINES AT PUMPING STATION, COOK WELLS, DURING
THE YEAR 1927

Months	COAL CONSUMED			
	For Starting Fires in pounds	When Pumping in pounds	For Banking Fires in pounds	Total in pounds
January.....		126,600		126,600
February.....		171,000		171,000
March.....		157,900	1,500	159,400
April.....		98,200	1,800	100,000
May.....		82,800	5,200	88,000
June.....	1,000	76,500	3,000	80,500
July.....		5,800	1,000	6,800
August.....				
September.....				
October.....				
November.....				
December.....				
Totals.....	1,000	718,800	12,500	732,300

TABLE SHOWING AMOUNT OF COAL USED FOR HOLLY
ENGINE AND KERR TURBINE, AT PUMPING STATION,
BOULEVARD WELLS, DURING THE YEAR 1927

Months	COAL CONSUMED				Gals. pumped into conduit per lb. total coal consumed
	For Starting Fires in pounds	When Pumping in pounds	For Banking Fires in pounds	Total in pounds	
January.....		284,840		284,840	710
February.....		253,200		253,200	356
March.....	500	264,670		265,170	576
April.....	1,000	254,945		255,945	602
May.....	1,500	241,115		242,615	656
June.....	2,000	229,760		231,760	715
July.....	2,000	256,070		258,070	717
August.....	1,000	263,260		264,260	660
September.....	1,500	266,200		267,700	637
October.....	1,000	256,530		257,530	685
November.....	500	246,770		247,270	644
December.....		243,270		243,270	715
Totals.....	11,000	3,060,630		3,071,630	640

WEST SIXTH STREET PUMPING STATION, ALLIS-CHALMERS
ENGINE, RUNNING EXPENSES FOR THE YEAR 1927.

Pay of Engineers and Firemen.....	\$ 18,045.65
13. 904-2000 tons (1926) coal at 8.93.....	120.13
757. 496-2000 tons (1927) coal at \$7.48.....	5,663.99
Engine Repairs.....	74.60
Boiler Repairs.....	247.98
Elec. Engine Repairs.....	41.30
Supplies.....	501.38
Sundries.....	172.42
Total.....	<u>\$24,876.45</u>

Cost of pumping water into reservoir, per million gallons, \$19.18—.

Cost of pumping water 1 foot high, per million gallons, \$0.10 10/100.

WEST SIXTH STREET PUMPING STATION, HIGH SERVICE
ENGINE, RUNNING EXPENSES FOR THE YEAR 1927

Pay of Engineers and Firemen.....	\$666.30
1. 52-2000 tons of coal (1926) at \$8.93.....	9.16
60. 1173-2000 tons of coal (1927) at \$7.48.....	453.17
Supplies.....	52.80
Total.....	<u>\$1,181.43</u>

Cost of pumping water into reservoir, per million gallons, \$24.57+

Cost of pumping water 1 foot high, per million gallons, \$0.35 00/100.

WEST SIXTH STREET PUMPING STATION, SNOW-WORTHINGTON
ENGINE, RUNNING EXPENSES FOR THE YEAR 1927

Pay of Engineers and Firemen.....	\$ 9,050.60
8. 36-2000 tons (1926) coal at \$8.93.....	71.60
449. 1884-2000 tons (1927) coal at \$7.48.....	3,365.43
Engine Repairs.....	251.45
Electric Engine Repairs.....	31.49
Boiler Repairs.....	146.73
Supplies.....	344.19
Sundries.....	118.78
Total.....	<u>\$13,370.27</u>

Cost of pumping water into reservoir per million gallons, \$20.49—

Cost of pumping water 1 foot high, per million gallons, \$0.10 78/100.

COOK WELLS PUMPING STATION, DEANE ENGINES: RUNNING
EXPENSES FOR THE YEAR 1927

Pay of Engineers and Firemen.....	\$5,174.08
6. 000-2000 tons of coal (1926) at \$9.50.....	57.00
357. 1300-2000 tons of coal (1927) at \$7.87.....	2,812.96
Engine Repairs.....	57.75
Boiler Repairs.....	131.96
Supplies.....	63.03
Sundries.....	284.88
Total.....	<u>\$8,581.66</u>

Cost of pumping water into distributing mains, per million gallons, \$70.07+

Cost of pumping water 1 foot high per million gallons, \$0.39 99/100.

BOULEVARD PUMPING STATION, HOLLY ENGINE AND KERR
TURBINE, RUNNING EXPENSES FOR THE YEAR 1927

Pay of Engineers and Firemen.....	\$23,419.50
28. 270-2000 tons of coal (1926) at \$8.93.....	251.25
1512. 1254-2000 tons of coal (1927) at \$7.59.....	11,475.38
Engine Repairs.....	642.29
Boiler Repairs.....	723.17
Supplies.....	844.30
Sundries.....	217.77
Total.....	<u>\$37,573.66</u>

Cost of pumping water into conduit, per million gallons, \$19.14+

Cost of pumping water 1 foot high, per million gallons, \$0.33 74/100.

BEACON STREET RESERVOIR, 1927

Months	Depth in feet	Quantity in U. S. Gallons	Temperature in Degrees	
			of Water	of Air
January.....	19.58	29,811,965	34.39	25.75
February.....	19.56	29,776,941	35.11	28.40
March.....	20.04	30,584,994	40.52	38.74
April.....	19.83	30,233,078	46.62	46.69
May.....	19.54	29,741,944	53.40	54.62
June.....	19.55	29,776,979	64.15	65.34
July.....	20.32	31,079,118	68.03	70.27
August.....	20.39	31,185,243	68.19	66.62
September.....	20.59	31,503,913	64.82	62.73
October.....	20.36	31,149,868	58.05	54.44
November.....	20.25	30,937,758	48.67	46.06
December.....	20.29	31,008,438	36.24	31.41
Year.....	19.96	30,426,530	51.01	46.50

CHRISTIAN STREET RESERVOIR, 1927

Months	Elevation	Quantity in U. S. Gallons	Temperature in Degrees	
			of Water	of Air
January.....	199.22	2,385,176	54.00	25.75
February.....	203.36	3,230,708	51.07	28.40
March.....	206.42	3,855,014	48.00	38.74
April.....	206.45	3,861,395	47.10	46.69
May.....	206.48	3,867,776	47.94	54.62
June.....	205.48	3,663,573	48.87	65.34
July.....	205.71	3,710,370	51.93	70.27
August.....	206.15	3,799,708	56.00	66.62
September.....	205.81	3,731,641	57.77	62.73
October.....	201.21	2,791,455	58.00	54.44
November.....	202.98	3,153,065	58.00	46.06
December.....	204.98	3,561,471	55.68	31.41
Year.....	204.52	3,467,879	52.88	46.50

TABLE SHOWING THE AVERAGE MONTHLY AND DAILY
CONSUMPTION FOR THE YEAR 1927

Months	Gallons per Month	Gallons per Day
January.....	186,265,254	6,008,556
February.....	166,160,561	5,934,306
March.....	181,380,226	5,850,975
April.....	167,614,591	5,587,153
May.....	172,185,763	5,554,379
June.....	178,597,039	5,953,234
July.....	183,481,418	5,918,755
August.....	174,935,483	5,643,080
September.....	167,864,082	5,595,469
October.....	168,931,851	5,449,414
November.....	155,712,491	5,190,416
December.....	167,753,617	5,411,407
Totals and Averages.....	2,070,882,376	5,673,650

The following table shows the average daily consumption of water, in gallons, for each month and each year from January 1900 to January 1928.

AVERAGE DAILY CONSUMPTION OF WATER IN GALLONS FOR EACH MONTH AND YEAR FROM
JANUARY, 1900, TO DECEMBER, 1927 INCLUSIVE

Years	MONTHS												For the Year
	January	February	March	April	May	June	July	August	September	October	November	December	
1900	7,511,163	8,127,419	8,024,115	7,655,888	7,734,911	8,037,993	8,696,110	8,268,526	8,138,836	7,386,297	7,292,997	7,844,543	7,893,356
1901	8,266,601	9,055,112	8,260,895	6,914,082	6,580,172	7,183,342	7,263,332	6,766,772	6,514,839	6,183,286	5,718,730	6,197,726	7,059,631
1902	6,171,220	6,114,804	5,651,749	5,446,046	5,797,401	6,217,117	6,083,104	5,963,910	5,461,552	5,107,818	4,771,831	5,969,016	5,729,325
1903	6,160,966	6,054,616	5,115,198	5,147,423	5,581,932	5,124,402	5,563,775	5,018,208	4,936,025	4,809,428	4,613,355	5,112,584	5,266,823
1904	6,655,276	7,188,622	5,554,904	4,791,851	5,220,707	5,562,331	5,576,895	5,136,152	5,417,024	4,940,185	4,580,887	5,257,670	5,485,323
1905	5,777,996	6,857,608	5,525,104	5,316,825	5,283,217	5,152,513	5,355,262	5,819,160	5,025,355	5,447,880	4,983,105	5,034,701	5,474,202
1906	4,834,565	5,142,265	5,001,817	4,950,731	5,025,778	5,074,773	5,391,923	5,440,761	5,486,986	4,980,724	4,398,655	5,069,259	5,083,856
1907	5,812,515	6,967,163	5,996,990	5,059,614	5,485,391	5,610,334	5,674,592	6,016,145	5,413,610	5,198,286	4,492,525	4,587,374	5,526,118
1908	4,892,197	6,303,981	5,126,110	4,847,159	4,879,045	5,597,233	6,130,861	5,027,742	5,420,566	5,647,718	4,754,252	4,607,084	5,250,367
1909	4,994,704	5,025,674	4,781,957	4,846,081	4,947,820	5,504,361	6,114,545	6,167,947	5,470,110	5,137,479	4,863,788	5,000,414	5,240,385
1910	5,527,751	5,580,837	5,110,820	5,144,907	5,188,944	5,317,145	6,521,061	6,087,138	5,563,421	5,234,485	4,787,436	5,234,080	5,442,967
1911	5,257,816	5,432,082	5,298,391	5,246,301	6,134,973	6,040,921	6,917,779	5,103,294	4,920,793	4,428,730	4,246,149	4,240,112	5,272,705
1912	6,358,297	6,561,176	5,081,140	4,688,407	4,995,391	5,575,438	6,486,243	5,434,269	4,878,253	4,671,000	4,603,420	4,917,829	5,369,405
1913	4,866,972	5,359,348	5,024,197	4,914,870	5,370,378	6,882,636	6,169,715	6,822,676	5,933,963	5,790,277	5,740,322	5,645,862	5,798,405
1914	6,352,604	6,735,834	5,697,707	5,109,164	5,024,982	6,720,431	6,172,412	5,837,250	6,438,210	5,951,984	5,419,572	5,380,197	5,983,614
1915	5,573,201	5,494,019	5,262,766	5,097,062	5,129,948	5,551,194	5,103,378	5,258,356	6,133,417	5,516,235	5,565,839	5,307,239	5,427,382
1916	5,735,258	5,899,397	6,084,883	5,873,077	6,150,601	6,099,636	6,392,772	6,063,611	6,396,882	6,154,035	5,805,068	5,907,479	6,096,074
1917	6,430,319	6,311,904	6,160,132	5,976,292	5,883,840	6,126,487	7,249,137	7,678,877	6,420,848	6,156,995	6,391,974	6,891,381	6,479,729
1918	8,269,875	8,087,509	7,087,509	6,696,850	7,917,023	8,093,050	7,313,325	8,135,109	7,437,192	6,603,899	7,025,124	7,243,936	7,544,721
1919	7,150,759	6,934,037	6,662,179	6,748,217	6,933,584	7,111,642	7,389,994	6,261,244	6,370,466	6,061,176	5,615,542	6,699,039	6,711,721
1920	7,973,696	8,163,698	7,599,951	6,905,508	7,060,494	6,527,035	6,911,813	7,375,527	7,346,926	6,932,137	6,627,211	6,335,741	7,144,313
1921	6,682,671	6,343,183	6,193,266	6,225,068	6,546,592	7,171,369	7,187,197	7,054,040	6,769,907	6,131,189	5,961,111	6,159,406	6,537,036
1922	6,436,752	6,620,352	6,436,598	6,132,324	6,386,716	6,361,934	6,502,992	6,401,554	6,447,714	6,327,410	6,015,506	5,867,996	6,327,812
1923	6,686,101	7,020,392	6,924,915	6,777,342	6,786,833	7,104,951	6,999,685	6,937,086	6,742,635	6,408,353	6,457,025	6,254,571	6,756,037
1924	6,525,394	6,655,412	6,424,673	6,381,750	6,639,081	6,830,652	7,036,205	6,643,319	6,480,281	6,313,263	6,149,714	6,421,379	6,542,026
1925	5,521,503	6,360,068	6,129,920	5,934,902	6,027,150	6,560,990	6,570,156	6,481,559	6,323,442	6,023,022	5,593,232	5,750,417	6,184,999
1926	5,704,799	5,510,313	5,801,923	5,654,114	5,721,877	6,018,937	6,215,075	5,794,150	5,886,375	5,465,613	5,308,559	5,813,165	5,785,324
1927	6,008,556	5,934,306	5,850,975	5,587,153	5,554,379	5,953,234	5,918,775	5,643,080	5,595,469	5,749,414	5,190,416	5,411,407	5,675,650

SUMMARY OF STATISTICS
FOR THE YEAR ENDING DECEMBER 31, 1927

In form recommended by the New England Water Works
Association.

LOWELL WATER WORKS
LOWELL, MIDDLESEX COUNTY, MASSACHUSETTS

GENERAL STATISTICS

Population by census of 1927, estimated 100,000.

Date of construction, 1870 to 1873.

Date of construction, High Service, 1881.

Date of construction, Driven Wells, 1893 to 1919.

By whom owned? The City of Lowell.

Source of supply: Two hundred ten (210) driven wells in the valley of River
Meadow Brook, and five hundred fifty-five (555) driven wells at Pawtucket
Boulevard.

Mode of supply: Pumping to reservoir and pumping direct.

PUMPING STATISTICS

1. Builders of Pumping Machinery.

AT WEST SIXTH STREET STATION

One engine, capacity 8,000,000 gallons in twenty-four hours, Allis-Chalmers
Company.

One engine, capacity 10,000,000 gallons in twenty-four hours, Worthington Pump
and Machinery Corp.

One engine, capacity 1,000,000 gallons in twenty-four hours, Hayes Pump and
Machinery Co.

AT COOK WELLS STATION, TEMPORARY PUMPS

One engine, capacity 3,000,000 gallons in twenty-four hours, The Deane Steam Pump Company.

One engine, capacity 3,000,000 gallons in twenty-four hours, The Deane Steam Pump Company.

AT BOULEVARD STATION

One engine, capacity 8,000,000 gallons in twenty-four hours, The Holly Manufacturing Company.

One engine, capacity 8,000,000 gallons in twenty-four hours, The Holly Manufacturing Company.

One engine, capacity 7,000,000 gallons in twenty-four hours, The Kerr Turbine Company.

One engine, capacity 10,000,000 gallons in twenty-four hours, The Kerr Turbine Company.

2. Descriptions of fuel used:

{	a. Kind, Bituminous. b. Brand of coal, New River. c. Average price of coal per gross ton del'd, \$7.57 d. Percentage of ash. e. Wood, price per cord.
---	---
3. Coal consumed for the year, 6,379,369 lbs.
4. Pounds of wood $\div 3$ = equivalent amount of coal.

5. Total equivalent coal consumed for the year (3) + (4) 6,379,369, pounds.
6. Total pumpage for the year, 4,082,908,264 gallons.
7. Average static head against which Low Service pumps at West Sixth Street work, 180.40 feet.
Average static head against which pump at Lower Boulevard works, 45.30 feet.
8. Average dynamic head against which pumps work:

West Sixth Street, Low Service.....	189.81
West Sixth Street, High Service.....	70.19
Lower Boulevard.....	56.73
9. Number of gallons pumped per pound of equivalent coal (5) = 640.
10. Cost of pumping per million gallons, figured on pumping station expenses, viz., \$85,574.47, \$20.96.
11. Cost of purifying per million gallons, figured on filter expenses, viz., \$16,500.98, \$8.39+.

STATISTICS OF CONSUMPTION OF WATER

1. Estimated total population at date,..... 100,000.
2. Estimated population on lines of pipe,..... 100,000.
3. Estimated population supplied,..... 100,000.
4. Total consumption for the year,..... 2,070,882,376 gallons.
5. Passed through meters,..... 1,220,072,225 gallons.
6. Percentage of consumption metered,..... 58.92%
7. Average daily consumption,..... 5,673,650 gallons.
8. Gallons per day to each inhabitant,..... 56.74
9. Gallons per day to each consumer,..... 56.74
10. Gallons per day to each tap,..... 353.11
11. Cost of supplying water per million gallons, figured on total maintenance,..... \$137.23
12. Total cost of supplying water per million gallons, figured on total maintenance and interest on bonds,..... \$141.57

STATISTICS RELATING TO DISTRIBUTION SYSTEM

Mains

1. Kind of pipe, cast iron.
 2. Sizes, 4 inches to 30 inches.
 3. Extended 5,141.5 feet during the year.
 4. Total now in use, 174.34 miles.
 5. Length of pipe less than 4 inches diameter, 5 miles, more or less.
 6. Number of hydrants added during the year (public and private), 6.
 7. Number of hydrants (public and private) now in use, 1608.
 8. Number of stop gates added during the year, 34.
 9. Number of stop gates now in use, 2504.
 10. Number of stop gates smaller than 4 inches, 72.
 11. Number of blow-offs, 33 .
 12. Range of pressure on mains, 27 lbs. to 82 lbs. Low Service.
-

SERVICES

13. Kind of pipe, lead, lead-lined iron, iron and tin-lined iron.
14. Sizes, $\frac{5}{8}$ in. to 8 in.
15. Extended, 6,302 feet.
16. Total now in use, 125.24 miles.
17. Number of Service Taps added during the year, 142.
18. Number now in use, 16,351.
19. Average length of service, 44.38 feet.
20. Average cost of service for the year, \$55.60.
21. Number of meters added, 138.
22. Number now in use, 14,625.
23. Percentage of services metered, 89.44%.
24. Percentage of receipts from metered water, 96.95%.

Respectfully submitted,

STEPHEN KEARNEY,
City Engineer.

TABLE SHOWING WATER ANALYSIS (PARTS IN 100,000) DURING THE YEAR 1927

DATE OF Collection	APPEARANCE			RESIDUE ON EVAPORATION Total	AMMONIA		Chlorine	NITROGEN AS		Hardness	Iron
	Turbidity	Sediment	Color		Free	Albuminoid Total		Nitrate	Nitrates		
1927											
Mar. 21	V. Sl.	None	.00	6.40	.0012	.0056	.56	.0250	.0000	3.0	.007
Apr. 21	V. Sl.	None	.00	6.40	.0004	.0016	.56	.0560	.0000	2.9	.010
May 17	V. Sl.	V. Sl.	.00	5.90	.0002	.0022	.48	.0460	.0000	2.6	.013
June 27	V. Sl.	None	.01	5.70	.0012	.0038	.46	.0480	.0000	2.5	.016
July 22	None	None	.05	5.50	.0006	.0058	.44	.0250	.0000	2.3	.015
Aug. 16	None	None	.08	6.00	.0004	.0032	.44	.0270	.0000	2.2	.023
Sept. 19	V. Sl.	None	.10	5.10	.0004	.0054	.48	.0340	.0000	2.3	.037
Oct. 17	None	None	.12	6.20	.0002	.0024	.50	.0340	.0000	2.5	.016
Nov. 14	V. Sl.	None	.12	5.60	.0010	.0028	.46	.0270	.0000	2.5	.018
Dec. 20	None	None	.08	5.60	.0010	.0038	.51	.0240	.0001	2.2	.012

ANNUAL REPORT
OF THE
Births, Marriages
and Deaths
OF THE
CITY OF LOWELL



FOR THE YEAR
1927

CITY OF LOWELL

OFFICE OF THE CITY CLERK, March 20, 1928.

To the City Council,

Gentlemen:

The annual report of Births, Marriages and Deaths for the year 1927, as of record in the office of the City Clerk is respectfully submitted as follows:

BIRTHS

Total number recorded exclusive of still-births, 2448, of which 196 occurred in Lowell, the parents being residents elsewhere, and 43 occurring elsewhere, the parents being residents of Lowell. Following is a table by wards of births occurring in Lowell of Lowell parents:

Wards	1	2	3	4	5	6	7	8	9	10	11	Total
Whole Number	156	290	151	213	266	265	302	98	133	211	124	2209
Males	81	150	71	111	128	147	158	43	61	104	56	1110
Females	75	140	80	102	138	118	144	55	72	107	68	1099
American Parents	82	113	92	125	105	121	132	73	84	84	79	1090
Foreign Parents	48	134	18	44	77	54	82	6	21	91	16	591
American Father Foreign Mother	10	18	23	25	37	48	43	10	12	16	15	257
Foreign Father American Mother	16	25	18	19	47	42	45	9	16	20	14	271
Twins	2	4	2	3		5	3		1	5	2	27

Still births not included.

MARRIAGES

Number of marriages recorded 876, of which 756 were solemnized in Lowell and 120 elsewhere.

MARRIAGES BY MONTHS

January.....	61	May.....	59	September.....	101
February.....	48	June	143	October	103
March.....	29	July.....	64	November	91
April.....	67	August.....	66	December	44

NATIONALITY OF CONTRACTING PARTIES

	Grooms	Brides
United States.....	627	662
Canada	102	88
Greece.....	27	23
Ireland	20	28
Russia, Poland, Austria.....	26	22
England	17	15
Portugal, Western Islands	17	11
Scotland.....	11	9
Armenia.....	7	5
Italy	8	3
Other Countries	15	9
Grooms under 21 years, 57	Brides under 18 years, 48	

DEATHS

Number occuring in Lowell, 1397: Males 718, Females 679; 72 of this number being residents elsewhere. In addition 85 deaths recorded of Lowell residents who died elsewhere.

Still births 104 not included.

Statistics in more detail contained in Report of Board of Health.

Respectfully submitted,

STEPHEN FLYNN,

City Clerk.

In the City Council March 20, 1928.

Read and ordered on file.

STEPHEN FLYNN,

City Clerk.

FIFTIETH ANNUAL REPORT
OF THE
BOARD OF HEALTH
OF THE
CITY OF LOWELL



FOR THE YEAR
1927

ORGANIZATION 1927

BOARD OF HEALTH

PIERRE BRUNELLE, M. D., Chairman
FRANCIS R. MAHONY, M. D.
JAMES H. ROGERS, O. D.

AGENT

FRANCIS J. O'HARE

OFFICE—CLERICAL

KATHARINE W. SNOW, Registrar
MARY A. WHITE, Clerk

INSPECTORS

WILLIAM H. CONNORS, General Inspector
JOHN KEARNEY, Health Inspector
CLEMENT A. HAMBLET,
Inspector of Meats and Provisions

PLUMBING INSPECTORS

CHARLES N. MIDWOOD
WILLIAM I. RYAN

TUBERCULOSIS NURSES

BERTHA M. KIRWIN, R. N.

GRACE M. CARROLL, R. N.

MARY L. RIORDAN, R. N.

CHILD WELFARE NURSES

ALICE I. GORMAN, R. N.

JEANNETTE GEORGE, R. N.

MARGUERITE R. HIGGINS, R. N.

PAULINE PICARD, R. N.

CATHERINE SULLIVAN, R. N.

G. U. CLINIC NURSES

LOIS A. TITCOMB, R. N.

NAPOLEON MILOT, R. N.

TUBERCULOSIS CLINIC

JOHN N. DRURY, M. D., Examining Physician

G. U. CLINIC

HAROLD L. LELAND, M. D.,

Attending Physician

VACCINATING PHYSICIAN

WILLIAM A. JOHNSON, M. D.

BACTERIOLOGIST

JAMES Y. RODGER, M. D.

FUMIGATOR

SPENCER BROWN

DIVISION OF SCHOOL HYGIENE

Director

JOHN J. McNAMARA, M. D.

SCHOOL PHYSICIANS

CHESTER S. BAKER, M. D.
JOHN F. BOYLE, M. D.
JAMES J. CASSIDY, M. D.
WINNIFRED W. DEVINE, M. D.
GEORGE O. LAVALLEE, M. D.
RODRIGUE MIGNAULT, M. D.
FREDERICK P. MURPHY, M. D.
HAROLD B. PLUNKETT, M. D.
CHARLES M. ROUGHAN, M. D.
EMMA Y. SLAUGHTER, M. D.
EDWARD O. TABOR, M. D.

SCHOOL NURSES

MARGARET CRAIG, R. N.
MARY DOUGLAS, R. N.
MARIETTA DWYER, R. N.
SARAH DONOHUE, R. N.
MARIETTA FRAZIER, R. N.
MARY FITZPATRICK, R. N.
JOSEPHINE LECLAIR, R. N.
ROSE V. LETTRELL, R. N.
CLARINA MORIER, R. N.
ANNA O'DWYER, R. N.

DENTAL CLINIC

School Dentists

PATRICK J. MULLANE, D. D. S.
FREDERICK F. DONAHOE, D. D. S.

DENTAL ASSISTANT

EVA LANTAGNE

MILK DEPARTMENT

Milk Inspector

MELVIN F. MASTER, B. S.

COLLECTOR OF SAMPLES

AUGUSTUS A. McKEON

TECHNICIAN

LOUIS DESCHENEAUX

ISOLATION HOSPITAL

FORSTER H. SMITH, M D., Superintendent

STELLA M. SMITH, R. N., Superintendent of Nurses

HELENE M. MORRIS, Clerk

Lowell, Mass., Jan. 1, 1928.

To the Honorable Mayor and
Members of the Municipal Council
of the City of Lowell.

Gentlemen:

The 50th Annual Report of the Board of Health for the year ending Dec. 31, 1927, is herewith respectfully submitted.

The amounts of money expended by the various sub-divisions of the Department of Health for 1927 were:

Health Office Salaries	\$32,496.89
Health Office Sundries	14,387.48
Yard Labor	55,643.50
Health Yard Sundries	4,513.75
Milk Salaries	6,912.19
Milk Sundries	1,864.52
School Hygiene Salaries	24,236.80
School Hygiene Sundries	2,558.22
Isolation Hospital Salaries	37,955.92
Isolation Hospital Sundries	30,531.83
Ashes & Waste Salaries	89,262.20
Ashes & Waste Sundries	13,639.24
Summer Camp	476.80
	<hr/>
	\$314,479.34

DEATH RATE

The general death rate for 1927 which was 12.39 per 1000, was lower than the death rate for the three previous years.

1927	1926	1925	1924
12.39	13.74	13.78	13.70

INFANT MORTALITY

There were fewer deaths of children under one year of age for the year 1927 than any previous year, but by reason of fewer births there was a slight numerical increase from the rate of 1926 which was 89.6 to 1927, which was 90.6 per 1000 births.

DEATHS UNDER FIVE YEARS OF AGE

The following is the comparative table for the past three years:

1927	1926	1925	1924
286	302	345	347

DISEASES DANGEROUS TO THE PUBLIC HEALTH

TUBERCULOSIS

There was a marked decrease in the number of cases of tuberculosis (all forms) reported during the year 1927, and also a marked decrease in the mortality rate from this same disease

There were reported 96 cases of pulmonary tuberculosis with 41 deaths and 24 cases of all other forms of this same disease, with 15 deaths.

The comparative figures for 1927-1926 are as follows:

Pulmonary Tuberculosis,	105; deaths 68
All other forms.....	104; deaths 27
Total	209
	95

DIPHTHERIA

There was a marked increase in the morbidity and mortality figures for the year 1927. The number of cases reported was 194 and the number of deaths 18, as compared with 50 cases in 1925 and 70 cases in 1926, with 4 deaths in 1925 and 6 deaths in 1926.

Many of these cases were discovered by the Division of School Hygiene through the school doctors and school nurses; through the check-ups on absentees; and cultures taken from contact groups in schools.

SCARLET FEVER

There were 162 cases of Scarlet Fever reported during the year, with 1 death from this disease.

	1927	1926
Reported	162	285
Deaths	1	3

TYPHOID FEVER

In the latter part of the month of February an outbreak of Typhoid Fever occurred. There were reported 26 cases of this disease and 3 deaths during 1927. Of this number 3 of the cases hospitalized in Lowell were from the town of Billerica in which town, as was later proved after investigation, was the starting point for the incidence of this disease.

This outbreak caused considerable concern to the local health department, but the prompt investigation by the State Department of Health disclosed the cause of this outbreak as a typhoid carrier—an itinerant farm laborer who was employed on a Dairy Farm in Billerica. This farm was supplying milk to part of the town of Billerica and to a number of customers in Lowell. This milk supply was immediately discontinued, and the typhoid

carrier was placed in quarantine at the Isolation Hospital in Lowell, maintained by the Lowell Health Department. The necessary tests to determine his status as a typhoid carrier were carried out promptly by the State Department of Health and arrangements concluded by the Commissioner of Health of the State of Massachusetts for a voluntary operation which would render this carrier immune from spreading further contagion. The entire expense of this operation was borne by the State Department of Health. On advice of the State Department of Health this carrier agreed not to engage in any type of work which might entail the handling of food, and to report either in person or by mail monthly with the State Department of Health.

Of the total number of cases reported in this outbreak which numbered 26, there were 10 definitely accredited to the milk supply of this dairy farm; 7 of whom were residents of Lowell, and 3 lived in Billerica, but were hospitalized in Lowell.

Respectfully submitted,

PIERRE BRUNELLE, M. D., Chairman

FRANCIS R. MAHONY, M. D.

JAMES H. ROGERS, O. D.

Board of Health

REPORT OF BACTERIOLOGIST

Lowell, Mass., Jan. 1, 1928.

Board of Health,
Gentlemen:

Following is a report of work done by me in the Bacteriological Laboratory during the year 1927:

DIPHTHERIA

Examination of Cultures

	Diagnosis		Release		No	Total
	Positive	Negative	Positive	Negative	Result	
Jan.	11	68	2	10	0	91
Feb.	5	46	5	7	0	63
Mar.	2	42	1	12	0	57
Apr.	10	72	3	7	1	93
May	5	38	0	14	0	57
June	8	26	3	9	1	47
July	5	22	1	10	0	38
Aug.	1	21	0	2	0	24
Sept.	1	30	0	1	1	33
Oct.	20	66	5	20	3	114
Nov.	44	281	7	60	4	396
Dec.	35	346	15	70	1	467
	—	—	—	—	—	—
	147	1058	42	222	11	1480

TYPHOID FEVER

Examination for Widal Reaction

	Positive	Negative	No Result	Suspicious	Total
Jan.	0	0	0	0	0
Feb.	0	1	0	0	1
Mar.	1	7	0	0	8
Apr.	1	5	0	1	7
May	0	3	0	1	4
June	0	0	0	0	0
July	0	5	0	0	5
Aug.	1	4	2	0	7
Sept.	1	3	0	0	4
Oct.	0	1	0	0	1
Nov.	1	2	0	0	3
Dec.	0	2	0	0	2
	—	—	—	—	—
	5	33	2	2	42

TUBERCULOSIS

Examination of Sputum

	Positive	Negative	Suspicious	No Result	Total
Jan.	5	12	0	0	17
Feb.	3	14	0	0	17
Mar.	14	49	1	0	64
Apr.	7	33	0	0	40
May	7	24	0	0	31
June	12	25	0	0	37
July	9	16	0	0	25
Aug.	5	20	0	0	25
Sept.	3	14	0	0	17
Oct.	5	25	0	0	30
Nov.	4	13	0	0	17
Dec.	9	28	0	0	37
	—	—	—	—	—
	83	273	1	0	357

GONORRHOEA

16 specimens showed positive gonococci—27 specimens were negative.

1 Neisser examination was made which proved negative.

1 examination for Malaria was made which proved negative.

Respectfully submitted,

JAMES Y. RODGER, M. D.

Bacteriologist.

ANNUAL REPORT OF THE INSPECTOR OF MILK

Lowell, Mass., Jan 1, 1928.

To the Honorable Board of Health,
Lowell, Mass.

Gentlemen:

I have the honor to present the report of the Milk Inspection Department for the year beginning January 1, 1927.

There were 8911 samples of milk examined, divided as follows:

Chemical	5431
Bacterial	1752
Physical	1728

The Chemical Examinations were divided as follows:

	Average Total Solids	Percent Fat
1202 pasteurized samples seized from wagons	12.75	3.73
2180 raw samples seized from wagons	12.82	3.78
562 raw samples seized from producers	12.55	3.66
16 pasteurized seized from schools	12.57	3.65
718 samples seized from restaurants and confectionery stores	12.83	3.83
15 certified samples seized from wagons	13.40	4.09
33 Grade "A" pasteurized samples seized from wagons	13.54	4.35
56 other "specials" samples seized from wagons	14.36	4.77
615 brought in from consumers, pro- ducers, etc.	12.46	3.65
14 ice cream		14.00
18 cream		25.45

The bacterial examinations were divided as follows:

	Median Bacterial Average Per cc.
266 pasteurized samples seized from wagons	98,000
609 raw samples seized from wagons	94,000
518 raw samples seized from producers.....	82,000
15 pasteurized samples seized from school.....	115,000
12 certified samples seized from wagons.....	8,000
25 Grade "A" pasteurized samples, seized from wagons	54,000
32 other "specials" samples seized from wagons	63,000
99 brought in from consumers, producers, etc.	106,000
176 smears	

The Physical Examinations were divided as follows:

- 960 samples were seized for Sediment Test from wagons.
- 562 samples were seized for Sediment Test from producers.
- 206 samples were brought in for Sediment Test from all other sources.

There were 2467 temperatures of milk taken at the wagons.

- 2329 temperatures were below 50 degrees Fahr.
- 138 temperatures were above 50 degrees Fahr.

The average temperature on the wagons was 41 degrees Fahr.

Of 3382 samples of milk seized from distributors:

- 3.54% were below standard in Total Solids.
- 6.42% were below standard in Fat.
- 2.27% were below standard in both total solids and fat.
- 0.07% were below standard in total solids, and above in fat.
- 3.52% were below standard in fat and above in total solids.
- 7.07% were below standard in total solids, fat, total solids and fat.

92.93% were above Legal Standard.

Of 268 Pasteurized Samples seized in wagons:

7.09% showed 10000 Bac. per cc. or less.

4.47% showed 11000 to 20000 Bac. per cc.

4.84% showed 20000 to 30000 Bac. per cc.

5.96% showed 30000 to 40000 Bac. per cc.

6.33% showed 40000 to 50000 Bac. per cc.

23.84% showed 50000 to 100000 Bac. per cc.

47.46% showed 100000 or more Bac. per cc.

Of 601 Raw Samples seized from wagons:

3.99% showed 10000 Bac. per cc. or less.

7.83% showed 10000 to 20000 Bac. per cc.

4.49% showed 20000 to 30000 Bac. per cc.

4.67% showed 30000 to 40000 Bac. per cc.

6.99% showed 40000 to 50000 Bac. per cc.

26.62% showed 50000 to 100000 Bac. per cc.

23.46% showed 100000 to 200000 Bac. per cc.

6.15% showed 200,000 to 250,000 Bac. per cc.

15.80% showed 250,000 or more Bac. per cc.

11110 Fields were examined and counted under the microscope, to obtain the above bacterial figures.

Of 960 samples for Sediment Test from wagons:

Pass Inspection—

5.29% were gauged as Double Zero.

20.34% were gauged as Zero.

44.14% were gauged as Number One.

Not Satisfactory; Did Not Pass Inspection—

22.29% were gauged as Number Two.

6.55% were gauged as Number Three.

0.92% were gauged as Number Four.

0.47% were gauged as Number Five.

71.97% of Lowell's Milk is supplied from Massachusetts.

13.03% of Lowell's Milk is supplied from New Hampshire.

10.90% of Lowell's Milk is supplied from Vermont.

4.10% of Lowell's Milk is supplied from Maine.

The Milk comes from 62 cities and towns. It is trucked into Lowell from 501 dairies. Milk and Cream come in by train from 28 country milk plants and creameries.

610 sanitary inspections were made of nearby dairy farms, producing Market Milk.

36 Dairy Farm Inspections were made of dairy farms producing milk for Grade "A" Pasteurized milk.

8 dairy farm inspections were made of dairy farms producing certified milk.

426 recommendations for improvements were made and 387 recommendations have been complied with in 1927.

In August 42 dairies were inspected on an inspection trip of 358 miles through No. Berwick, Me., Bar Mills, Buxton, Hollis, Waterboro and Sanford, Me., Milton Mills, Union Depot, Alton Centre, Stratford, Bennington and So. Lee, N. H. 210 recommendations were made, but I was unable to revisit this section again in 1927 to see how recommendations were complied with.

In October, 30 milk plants and creameries were inspected on an inspection trip of 1405 miles through E. St. Johnsbury, St. Johnsbury Centre, Lyndonville, Barton, W. Glover, Newport, Derby, Charlestown, Holland, E. Berkshire, Norrisville, East Hardwick, Hartford, Bradford, Vermont; Sawyerville, North Hatley, Magog, Mansionville, Glen Sutton, Abercorn, P. Q. 151 recommendations were made and 94 of them were complied with in eight days. Many of the places were not revisited in 1927, owing to lack of transportation funds. One creamery, supplying cream for ice cream purposes, was temporarily shut off on account of insanitary conditions. Two creameries must replace their can washers. All creameries visited were not equipped with flush valves in compliance with the Massachusetts State Department

of Public Health Regulations Relative to Pasteurization Plants. 3050 producers supply the Milk Plants and Creameries visited by the Milk Inspector on this trip.

The Portland, Auburn, Belgrade, Me., inspection trip was not made in 1927, owing to lack of transportation funds.

416 inspections of local milk distribution plants were made. 380 recommendations were made, 362 of which have been complied with.

July 14, 1927 the new Pasteurization Regulations of the State Department of Public Health went into effect, and Dec. 14, 1927 was the last day of grace. During the month of November and December, four days each week were spent in part inspecting, recommending and reinspecting the pasteurizing plants supplying the city, in order that they might be properly equipped with material and methods. Two days the last of December were spent showing the State Pasteurizing Plant Inspector the location and equipment of all pasteurizing plants supplying Lowell. Nine of the twelve pasteurizing plants within the city limits were equipped on time; three due to failure of the equipment to arrive were late.

Nine meetings were attended during the year for the purpose of uniform enforcement of laws, compiling of pasteurization and ice cream regulations, etc.

The average daily consumption of milk for 1927 was 39184 qts.

71.40% was sold as pasteurized and 28.60% was sold as raw milk.

11056 qts. of pasteurized milk was sold at wholesale; 16920 qts. at retail; 2560 qts. of raw milk were sold at wholesale; 8648 qts. at retail daily.

During the year 64 milk dealers were listed as supplying Lowell with milk. 21 dealers were listed as delivering pasteurized milk. 36 dealers delivered 90.62% of the milk consumed daily, and 28 delivered 9.38%.

There were 812 stores, and 64 dealers licensed to sell milk after a sanitary inspection had been made. 65 stores were registered to sell oleomargarine.

\$470.50 were turned over to the City Treasurer.

Respectfully submitted,

MELVIN F. MASTER, B. S.
Inspector of Milk.

LOWELL GENITO-URINARY CLINIC

Lowell, Mass., January 1, 1928.

Board of Health,
Lowell, Mass.

Gentlemen:

I have the honor to submit the following report of the activities of the Lowell Genito-Urinary Clinic for the year 1927:

TABLE OF ADMISSIONS AND DISCHARGES

Cases transferred
from year 1926:

	Gonor-	No. Ven'l Chan-	Total		
Sex Syphilis	rhea	Diseases	croid Cases		
Male	105	42	9	0	156
Female	74	27	7	0	108
	—	—	—	—	—
Total	179	69	16	0	264

Cases admitted
during year 1927:

Male	30	76	24	0	130
Female	24	29	33	0	86
	—	—	—	—	—
Total	54	105	57	0	216

Cases re-admitted
during year 1927:

Male	10	30	6	0	46
Female	10	10	6	0	26
	—	—	—	—	—
Total	20	40	12	0	72

Cases Discharged
during year 1927:

Male	49	104	33	0	186
Female	36	34	38	0	108
	—	—	—	—	—
Total	85	138	71	0	294

Cases remaining under
treatment Dec. 31, 1927:

Male	90	35	3	0	128
Female	72	28	7	0	107
	—	—	—	—	—
Total	162	63	10	0	235

TABLE SHOWING SOURCE OF NEW CASES

	Male	Female	Total
Doctors	28	32	60
Hospital and Clinics	18	14	32
Nurses	0	4	4
Court, State Dept. Correction and Police Women.....	1	3	4
Patient's Friends	67	27	94
Posters displayed in public places.....	6	0	6
Druggists	2	0	2
Financial	6	0	6
Social Workers	2	6	8
	—	—	—
Total	130	86	216

TABLE SHOWING DISPOSAL OF CASES

	Male	Female	Total
Cases discharged to local doctors	10	13	23
Cases discharged to other clinics and hospitals	12	21	33
Cases discharged as cured or probably cured	85	25	110
Cases lapsing treatment before being cured	16	2	18
Cases Discharged by moving out of town	12	5	17
Cases unable to locate	18	4	22
Cases discharged as having no venereal disease	33	38	71
	—	—	—
Total	186	108	294

TABLE SHOWING DISPOSAL OF CASES

	Male	Female	Total
Americans	77	55	132
Canadians	23	18	41
English	2	2	4
Greek	13	8	21
Portuguese	4	2	6
Scotch	1	0	1
Polish	2	0	2
Irish	2	0	2
Italian	2	0	2
Armenian	2	1	3
Turk	1	0	1
Belgian	1	0	1
	—	—	—
Total	130	86	216

TABLE SHOWING SOCIAL FOLLOW-UP WORK

	Male	Female	Total
Follow-up letters sent	449	437	886
Follow-up visits made	127	81	208
	<hr/>	<hr/>	<hr/>
Total	576	518	1094

TABLE SHOWING OCCUPATIONS OF NEW CASES

Occupations	Male	Female	Total
Mill Operatives	13	9	22
Not working	65	17	82
Housewife	0	41	41
Under one year old	1	3	4
Between one year and five years.....	2	4	6
Over five years, student	6	5	11
Clerks	2	0	2
Laborers	8	0	8
Mechanic	11	0	11
Carpenter	1	0	1
Electrician (Helper)	1	0	1
Steam Fitter	1	0	1
Stone Cutter	2	0	2
Barber	2	0	2
Chauffeur	3	0	3
Waiter	1	1	2
At home	0	5	5
Laundry	0	1	1
Painter	4	0	4
Box Shop	2	0	2
Meat Cutter	1	0	1
Tannery	1	0	1
Shoe Shop	3	0	3
	<hr/>	<hr/>	<hr/>
Total	130	86	216

TABLE SHOWING SUMMARY OF TREATMENTS
GIVEN

	Male	Female	Total
Syphilis	1569	1155	2724
Both Syphilis and Gonorrhoea	70	41	111
Gonorrhoea	1045	560	1605
No. Venereal Diseases	113	119	232
	—	—	—
Total	2797	1875	4672

TABLE SHOWING DETAILS OF SYPHILITIC
TREATMENTS

	Male	Female	Total
Arsephenamine	432	273	705
Mercury	482	163	645
Bismodol	243	290	533
Iodo Quinine Bismuthate	14	1	15
Tryparsamide	27	0	27
Hyposulphite Soda	1	0	1
	—	—	—
Total	1199	727	1926

TABLE SHOWING LABORATORY EXAMINATIONS

	Male	Female	Total
Total No. Wassermans Taken	334	236	570
Total No. Smears Taken.....	264	339	603
	—	—	—
Total	598	575	1173
Vaginal Examinations		677	677

Examination of the above statistics shows that the patients themselves referred approximately 50% of the new admissions to the clinic with the local doctors and hospitals referring the majority of the remainder.

Approximately 40% of the discharged cases were discharged as cured; 20% were discharged to other doctors and hospitals for continuation of treatment; 24% showed no Venereal Disease upon careful examination; 16% lapsed treatment before being discharged as cured. To these 16% 886 follow-up letters were sent and 208 personal visits made. A total of 6332 examinations or treatments were administered to 552 individual patients.

We are indebted to the Lowell General Hospital for furnishing the Clinic with one pupil nurse to assist at the Women's Evening Clinic.

Respectfully submitted,

HAROLD L. LELAND, M. D.,
Attending Physician, Lowell G. U. Clinic.

REPORT OF EXAMINING PHYSICIAN FOR THE TUBERCULOSIS CLINIC

Lowell, Mass., Jan. 1, 1928.

Board of Health,
Lowell, Mass.
Gentlemen:

I have the honor to submit the following report of the work done in the Tuberculosis Clinic for the year 1927:

Number of Clinics	92
Number of Examinations	492
New Patients	194
Old Patients	298
Number of Nurses' Visits	3640

STATISTICAL REPORT

1 to 10 yrs	90
10 yrs to 20 yrs	45
20 yrs to 30 yrs	21
30 yrs to 40 yrs	22
40 to 50 yrs	16

CLASSIFICATION

Advanced cases	1
Moderately advanced	3
Arrested cases	8
Hilum Tb. cases	16
Other forms	5
Suspicious cases	13
Non-tubercular	148

NATIONALITIES

Americans	145
Armenian	1
Canadian	15
Greek	12
Irish	6
Jewish	3
Polish	7
Portuguese	5

DISPOSITION OF CASES

Referred to G. U. Clinic	7
Isolation Hospital	12
State Sanatoria	5

Respectfully submitted,

JOHN N. DRURY, M. D.
Examining Physician.

Bertha E. Kirwin, R. N.
Grace M. Carroll, R. N.
Mary L. Riordan, R. N.
Nurses.

REPORT OF THE SUPERINTENDENT OF THE LOWELL ISOLATION HOSPITAL

To the Board of Health
of the City of Lowell.
Gentlemen:

I have the honor of submitting to you the seventh annual report of the Lowell Isolation Hospital for the year ending December 31, 1927.

PATIENTS UNDER TREATMENT

On January 1, 1927 there were in the hospital 39 tubercular patients and 3 contagious patients, a total of 42. There have been admitted 34 males and 30 females in the tubercular wards and 72 patients in the contagious ward. These figures show that we have treated 103 tubercular patients and 75 contagious cases, a few less in each ward than were treated during the previous year. On December 31, 1927 there were 52 patients in the hospital, 25 males and 20 females in the tubercular wards and 7 cases of diphtheria in the contagious wards.

The lowest number of patients on any one day during the year was 42 and the highest number of patients was 56. The daily average in the tubercular ward was 45.4 and the daily average in the contagious ward was 3.6, a daily average in both departments of 49. There were 1313 contagious hospital days and 16,571 tubercular hospital days, a total of 17,884 for the year.

TUBERCULAR CASES

There were 58 patients discharged from the tubercular ward—51 pulmonary cases, 3 cases of tuberculosis other than pulmonary, and 4 cases that were diagnosed as non-tubercular. Of these 51 pulmonary cases, 3 were

discharged as arrested, 2 as apparently arrested, 10 as much improved, 2 transferred to other hospitals, 5 absconded, 9 discharged as unimproved, and 20 died. The average length of stay in the tubercular wards was 160.88 days, a little over 5 months.

CONTAGIOUS CASES

The contagious ward has been open 298 days of the year; whereas it was open every day of the previous year. 72 cases have been admitted during the year. Three cases were in the hospital on January 1, 1928, which makes a total of 75 contagious cases treated. Of these 75 cases, 41 were diphtheria (31 more than in the previous year), 17 scarlet fever (18 fewer than in the previous year), 8 erysipelas, 4 whooping cough, 1 typhoid fever, 1 broncho-pneumonia, 1 whooping cough and broncho-pneumonia, 1 parotid, and 1 infantile paralysis.

Of these cases, 60 were discharged, entirely recovered, while 8 died, 7 of diphtheria and 1 of erysipelas. Regarding these 7 diphtheria deaths I may say that they all occurred very shortly after admission to the hospital and were all from cases that had received no antitoxin until the disease was far advanced. Seven contagious cases were still in the hospital on January 1, 1928.

EXPENDITURES

The total expenditures for the year ending December 31, 1927 were \$68461.08. These expenditures were divided as follows: \$50295.39 for the tubercular ward and \$18165.69 for the contagious ward.

The sum of \$37955.92 was spent for salaries and \$30505.16 was spent for food and general hospital supplies. \$1.056 a day was spent on each patient, 54.9 cents a day for food and 50.7 cents for general hospital supplies, including laundry, medicine, gas, electricity, water, coke, and coal.

Following is a summary showing the cost per day for each patient for every article:

Meats—each patient per day .....	.136	cents
Milk—each patient per day .....	.129	“
Butter and egg—each patient per day .....	.094	“
Groceries and canned goods .....	.051	“
Cereals, fruit, sugar, tea, coffee .....	.045	“
Vegetables and potatoes .....	.034	“
Fish .....	.032	“
Bread, pastry, cake, cookies, etc. ....	.028	“

Total cost per patient for food per day....	.549	“
Hospital and general supplies .....	.204	.
Gas, electricity, water, coal .....	.303	

Total cost for maintenance per patient other than food .....	.507	“
Total maintenance cost per patient....	\$1.056	“

The gross per capita cost of the tubercular ward of the year 1927 was \$3.035 per day and the gross per capita cost of the entire hospital was \$3.828 per day.

Allowing for the following receipts from various sources the net per capita cost of the tubercular hospital was \$2.60 per day and that of the entire hospital was reduced to \$3.34 per day.

Cash from tubercular patients	\$ 78.58
Cities and towns for tubercular pa- tients	100.72
U. S. Veterans' Bureau	255.00
From State for tubercular patients.....	6737.18

Total received for tubercular patients	\$7171.48
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Cash from contagious patients	\$ 895.15
From other cities and towns for contagious patients	589.62
From State for contagious patients.....	43.50
<hr/>	
Total received for contagious cases	\$1528.27
Total amount received from all sources	\$8699.75

FINANCIAL STATEMENT

Amount appropriated for salaries	\$38,000.00
Amount appropriated for expenses	27,000.00
Transfers, Outdoor Relief	115.71
Transfers, Board of Health	3,500.00
Refund	3.20

Total amount received from City of Lowell	\$68,618.91
Amount expended for salaries	\$37,955.92
Amount expended for supplies.....	30,506.37

Total amount of money spent in 1927	\$68,462.29
Salaries balance on hand, Jan. 1, 1928	44.08
Expenses balance on hand Jan. 1, 1928	112.54
<hr/>	
	\$68,618.91

Total amount of money spent in 1927	\$68,462.29
Amount of money received from - outside sources for board and care of patients	8,699.75
Net expenditures for year 1927	\$59,762.54

SUMMARY

The year 1927 was an active year in this hospital, as the statistics above will show, and yet the hospital was by no means used to its fullest extent. The ideal will be attained only when a much larger number of the tubercular patients whom we know to be sick in and about Lowell, avail themselves of the opportunity for treatment the hospital affords.

To render proper service to these patients it becomes the part of the hospital authorities to keep the equipment up to the highest of modern standards, to provide a menu equal to that served in the best hospitals, and to lend every effort to keep the patients not only comfortable but contented.

Similarly, the contagious ward should be used more generally. During the year the average of patients treated was but a little more than three a day, a number considerably smaller than the number of contagious cases in the city would seem to warrant.

Increased usefulness of the contagious ward depends in great part upon the co-operation of the physicians of the city. Some method should be employed to remind physicians of their privilege of sending their private contagious cases to the hospital and of caring for them there.

RECOMMENDATIONS

With the idea of improving our facilities and making the hospital more comfortable and useful, I make the following suggestions. First among them are several relating to equipment. The greater efficiency that is gained through the use of proper equipment justifies any expenditure that may be made for that purpose.

EQUIPMENT

An X-Ray machine should be installed at once. Every tubercular patient admitted to the hospital should be X-rayed as a matter of routine.

In modern treatment of selected cases there is a demand for a machine to induce artificial pneumothorax. I recommend the installation of such a machine.

A serious problem that must be solved soon concerns the method of serving food to those in the wards. Under the present system food cooked in the kitchen must be carried to the wards and there reheated before being served. The stairways preclude the use of the tunnels for the food trucks. I recommend the purchase of an electric food conveyor for each ward that meals may be served hot and as appetizing as possible.

Again I must urge the installation of a radio outfit with earphones at each bedside that it may help to while away the weary hours of the patients.

SERVICE OF STAFF

The present arrangement, calls for each of the visiting staff of doctors to serve one month in rotation. Under this system the doctor is only becoming quite familiar with the cases when he is called upon to give way to one of his associates. In my opinion, a more satisfactory arrangement would be for each of the three to serve continuously for a period of four months.

ROADWAY NEEDS REPAIR

The approach to the hospital, West Meadow Road, is in a deplorable condition. The city owes it to itself to see that the roadway leading to one of its important buildings should be put into good condition and so maintained. I urge that you submit this request to the proper department.

NEEDED APPROPRIATION

If the hospital is to function properly, it is vitally necessary that money be available in sufficient amount. Decreased appropriations have led to the understaffing of the hospital through layoffs and discharges, to the denial of well-earned vacations to certain employees, and to the serving of food of a quality less than the best and of less variety.

I am not advocating extravagance, but I believe that a hospital, caring for tubercular patients is no place in which illiberal practices should be countenanced.

I respectfully urge your Board to make every effort to secure for the use of the hospital the full amount of money that is asked for.

ACKNOWLEDGEMENTS

I wish, in closing, to again express my sincere appreciation to the many people and organizations for their help and aid in furthering the welfare of the hospital.

Respectfully submitted,
FORSTER H. SMITH, M D.,
Superintendent.

REPORT OF THE DIRECTOR OF THE DIVISION OF SCHOOL HYGIENE

Lowell, Mass., Jan. 1, 1928.

To the Honorable Board of Health of the
City of Lowell, Massachusetts.
Gentlemen:

The Director of School Hygiene respectfully submits the following report for the year ending December 31, 1927:

During the past year, in addition to the routine health supervision which has for its purpose the detection and correction of existing physical defects in the school child, together with the discovery and isolation of contagious diseases, and the improvement in sanitation and personal hygiene, considerable attention was devoted to nutrition and posture, in order to improve the diet and body mechanics, because recent surveys made by the school physicians and nurses, and also because findings of the 10-Year State Survey conducted by the State Department of Health in conjunction with the Division of School Hygiene, showed that a very definite percentage of the children have a faulty dietary regime with a poorly balanced diet, and it is very evident that in many of these cases, there is a definite relation between poor body mechanics and ill health.

Since the health of the school child is a most important and serious problem, not only from a humanitarian standpoint, but also because the child of today is the citizen of tomorrow, and because health education must underlie any worthwhile attempt to improve child hygiene, this department has carried on an intensive program of health education for the past year.

This program has taken various forms; health clubs, health plays, application of the modern health crusade and similar endeavors; health talks by nurses and doctors, all of which have had for their purpose the stimulation of an interest in the school child towards the acquisition of good health by means of improvements in health habits and hygiene.

For the successful completion of any purpose such as this, the co-operation of the public is necessary, and with this in view, the department elicited the aid of outside agencies such as the local Tuberculosis Council, in conjunction with which a public demonstration was held in the Lowell Memorial Auditorium during the latter

week of April, in observance with the nation-wide Early Diagnosis Campaign and May Health Day, at which time a display of the health work carried on by the school children of Lowell under the direction of the nurses and doctors of the Division of School Hygiene, together with the teachers, was given to the public; also the very efficient aid of the local press for the purpose of acquainting the public with the purpose of several of the more recent health projects were elicited. The very ready and willing response of the public to these, and similar appeals, testified to the worth of such endeavors.

During the summer months a Day Camp caring for 232 children was maintained, the members for this camp drawn from those listed in the 10-Year State Survey, the Hilum Tuberculars and the undernourished children, together with the 10 and 15 percent underweights. During their stay at camp, they were taught the value of rest, good food, fresh air and sunshine, and attempts were made to neutralize, in part, the effects of over-fatigue by rest periods, and undernourishment by supplementary feeding, together with heliotherapy; in addition to considerable health education which had for its purpose improvement in their knowledge of dietary regime and the precepts of personal hygiene.

There was also for the first time maintained a summer health centre at the Edson School. This was financed entirely by the Lowell Tuberculosis Council, and approximately 125 children were cared for each day. The work carried on at this centre was essentially the same as that of the Day Camp except for the fact that more intimate contact was possible because of the accessibility of the centre; and it is felt that this is the beginning of a new and very important health work.

THE GENERAL SUMMARY

Physicians' and Nurses' Report for the Year 1927-1928.	
Visits to schools by physicians	2872
Visits to schools by nurses	6221
New pupils examined by physicians	18752
Pupils reexamined by physicians	13222
Pupils inspected by nurses	69421
Notices of defects sent to parents	15272
Personal letters written	1500
Home visits, new	5622
Homes visited	1521
Silhouettegraphs	594

Children Excluded During the Year:

Diphtheria	96
Pediculosis	377
Impetigo	221
Hyperaxia	147
Chickenpox	31
Whooping Cough	11
Sore Throat	55
Acute Tonsilitis	57
Mumps	139

CONTACTS

Mumps 37; Chickenpox 12.	
Diarrhoea	1
Scarlet Fever	6
Desquamation	10
Skin Rash	11
Laryngitis	1
Blepharitis	2
Adenitis	17
Scabies	51
Jaundice	1
Pinkeye	8

Conjunctivitis, acute	4
Dermatitis	20
Syncope	6
Uncleanliness	25
Pain in abdomen	3
Pain in neck	2
Dysmenorrhoea	30
Chill (no temperature)	1
Ear Ache	1
Otitis Media	3
Migraine	12
Furuncle	6
Septic Finger	2
No Vaccination	24
Coryza with temperature	175
Nausea	46
Pain, lower right quadrant	42
Bronchitis	16
Communicable Diseases Reported	108
Communicable Diseases Released	101
Contagious Diseases found in homes	294
Contagious Diseases found in schools	242

DETAILED REPORTS

Consultations with teachers	24210
Pupils advised	81404
Instructions in homes	4280
Hygiene talks in schools	10782
Escorted to dental clinics	2412
Treated at Dental Clinic	2968
Escorted to hospital clinics	558
Eye and Ear	303
Surgical	60
Orthopedic	125
X-Ray	3
Dental surgical	23

Medical	30
City Hall Vaccinations	4
City Hall, Tuberculosis Clinic	7
Referred to private physicians	3022
Referred to private dentists	1261
Pupils Inspected by Nurses for:	
Pediculosis	29266
Vaccinations	12029
Defective Teeth	13755
Uncleanliness	5186
Rash	21021
Scabies	260
Desquamation	310
Sore Throat	321
Swollen Glands	841
Mumps	1861
Hyperexia	25052
Cultures taken: In schools 1102 (Positive 43)	
First Aid in Schools 3963	
Corrected Vision (Classes 297)	
Completed arrangements for tonsillectomy	414
Toothbrush Drills	5452
(This included school drills and drills at dental clinics)	
Pupils weighed and measured	38492
Pupils underweight	2024
Children enrolled under the modern health crusade 5000	
Children enrolled under other definite and particular	
health programs, handkerchiefss, clubs, etc. 6000	
Cooperating agencies	
Lowell Tuberculosis Council.	
Local Press.	
Metropolitan Life Insurance Co.	
Lowell Gas Light Co.	
Lands and Buildings Department.	
Superintendent of Lands and Buildings Department,	
Mr. Moynahan.	

Colgate Co.
 State Department of Health.
 St. John's Hospital.
 Division of Welfare and Aid, City of Lowell.
 Various Parent-Teacher Organizations.
 Lowell Corporation Hospital.
 Catholic Charitable Bureau.
 Boott Mills.
 Friend Brothers, Bakers.
 Superintendent of Lowell Schools, Hugh J. Molloy.
 Principals and teachers of the various schools.
 Janitors at the Edson School.
 Police Department.
 Lowell Druggists' Asso. Fred Jones, Pres.
 Richard O'Connell, O'Connell Pianos.

Pre-School Childrens' Examination:

Number of children examined 367

Defects:

Teeth	47
Undernourished	22
Ptosis	14
Posture poor	82
Cervical adenitis	28
Tonsillar hypertrophy	142
Functional heart	12
Rickets	22

New Defects found:

Defective teeth	7576
Cardiac—Organic	142
—Functional	120
Orthopedic defects	317
Cervical adenitis	410
Strabismus	80
Blepharitis	45
Conjunctivitis	82
Hyperthyroid	6

Malnutrition	232
Infected cuts	96
Boils	22
Dermatitis	122
Furunculosis	15
Pain lower right quadrant	12
Deviated septum	23
Malformation of chest	23
(bony structure)	14
Impacted cerumen	61
Tonsilitis	68
Scabies	85
Ear Ache	9
Pharyngitis	43
Gastralgia	6
Migraine	224
Eczema	44
Ichthyosis	1
Bronchitis	60
Impetigo	53
Alopecia Areata	2
Psoriasis	44
Spinal defects	45
Rhinitis	31
Enuresis	4
Hordeolun	11
Keratitis	25
Felons	4
Laryngitis	23
Toothache	159
Dysmenorrhoea	47
Ringworm	22
Defective Posture	1492
Anemia	431
Pediculosis	281
Hair Lip	1

Underweight	
Goitre	12
Acne	516
Urticaria	1
Warts	12
Herpes	30
Otitis Media	26
Dogbite	4
Frostbites	1
Umb. Hernia	3
Fracture of Wrist	1
Neuralgia	12
Defective visitation (sight saving class)	14
Coryza	301
Pleurisy	6
Digestive Disturbances	93
Stomatitis	12
Epilepsy	2
Chorea	12
Suspected lung	17

REPORT OF DENTAL CLINIC

Extractions, temporary teeth	1849
Extractions, permanent teeth	487
Fillings, permanent teeth	182
Fillings, temporary teeth	16
Prophylactic Treatments	1940
<hr/>	
Total treatments	4490

CASES TREATED AT ST. JOHN'S HOSPITAL BY SCHOOL DENTISTS

Ether Cases	13
Extractions, temporary teeth	127
Permanent teeth	7

Pupils examined for working certificates.....	1201
Defects found:	
Tonsilar hypertrophy	78
Teeth defective	492
Teeth in need of cleaning	632
Defects in posture	321
Dermatitis	3
Defective eyesight	22
Adenitis	43
Malnutrition	11
Defective speech	1
Otorrhea	2
Overweight	1
Cardiac—Organic	2
functional	2
Enlarged thyroid	1
Strabismus	3
Uncleanliness	36
Anemia	9

HIGH SCHOOL

Consultation with teachers	219
Pupils advised	1640

DEFECTS FOUND

Defective teeth	135
Functional hearts	8
Acne	51
Enlarged tonsils	24
Organic Hearts	2
Goitre	3
Anemic	13
Notices of defects sent to parents	228
Home visits (new)	119
Homes revisited	24

Hygiene talks with pupils	1642
Hygiene talks in homes	143
Corrected vision (glasses)	7
Temperatures taken	947
Cultures taken	14
Negative	13
Positive	1

FIRST AID TREATMENTS

Dysmenorrhoea	363
Colds	161
Syncope	83
Toothache	211
Sprains	52
Orth. defect	1
Elev. temp.	14
Epistaxis	37
Eneuresis	2
Pen point in leg	1
Pain in back	2
Swollen eyelid	1
Warts	12
Nervousness	3
Sabaceous gland	2
Diarrhoea	1
Ivy Rash	3
Frost bite	2
Acne	3
Herpes	9
Felon	8
Pinkeye	19
Bilious	21
Psoriasis	1
Foreign body removed from eyes	49
Foreign body removed from throat	1
Neuralgia	1

Sore throat (no temp.)	69
Headache	381
Cuts and infection	364
Wen	3
Dogbite	2
Anemia	4
Laryngitis	5
Pain in limbs	7
Defective speech	1
Infected ear	1
Cervical glands	3
Desquamation	2
Otitis media	4
Swollen face	5
Blepharitis	3
Exhaustion	1
Furuncle	29
Canker	3
Indigestion	25
Nausea	97
Knee injury	1
Eye injury	4
Impetigo	8
Ear injury	1
Arm injury	3
Earache	20
Pain in right side	25
Pain in abdomen	19
Scabies	4
Stiff neck	12
Blister on heels	54
Cyst on eyelid	1
Stye	12
Back injury	2
Hysterics	2
Burns	16

Blister on ear	1
Blister on hand	2
Leg injury	2
Chills (no temp.)	10
Chills and temp.	3
Eye strain	19
Sliver removed	14
Pain in chest	9
Eczema	5
Rash	10
Number of pupils treated and returned to class	1445
Number of High School pupils excluded	289

CAUSES OF EXCLUSIONS

Sore throat	8
Headache	27
Bilious	10
Nausea	54
Colds	13
Diarrhoea	2
Indigestion	2
Toothache	1
Wet feet	1
Pain around heart	1
Unconscious (St John's Hospital)	1
Dysmenorrhea	90
Elev. temp.	11
Cramps	1
Chills	7
Stain on dress	18
Desquamation	1
Pinkeye	1
Eye injury	1
Stiff neck	1
Nervous	1
Injured from fall on stairs	1

Syncope	10
Pain in abdomen	6
Pain in chest	1
Earache	2
Finger injury	2
Back injury	1
Swollen glands	1
Infected toe	1
Infected Foot	1
Grippe	1
Number of pupils treated	1734
Corrected vision (glasses)	4
Escorted to St. John's Hospital surgical clinic	1
Escorted to St. John's Hospital Orthopedic clinic	2
Escorted to St. John's Hospital X-Ray clinic	3
Dressings each day for cuts and infections	183
Appointments to have tonsils removed	2
Appointments for dental clinic	28
Reported scarlet fever	1
Re-admitted after scarlet fever	1
Advised eye test	20
Pupils sent home in machines	11
Pupils sent home unassisted	278
Rem. to St. John's Hospital in taxi (unconscious)	1
Foreign body rem. from eye at St. John's Hospital.....	1
Cut hand treated at St. John's Hospital	1
Fractured finger treated at St John's Hospital	1
Referred to Eye and Ear Infirmary, Boston, Mass.	1

FIELD DAY ON SOUTH COMMON

Syncope	1
Cut finger	1
Epitaxis	1
Bruised knee	1
Cut face	1
Lost child	1
Headache	1

PHYSICAL EXAMINATION AT GIRLS' VOCATIONAL SCHOOL

Number of girls examined	100
Number without defects	51
Number of defective teeth	32
Number enlarged tonsils	7
Number anemia	5
Number functional hearts	5
Number acne	12
Number warts	1
Cervical glands	1
Rales	1
Notices sent to parents	64

Respectfully submitted,

JOHN J. McNAMARA, M. D.
Director Division of School Hygiene.

REPORT OF CHILD WELFARE NURSES

Lowell, Mass., Jan 1, 1928.

Board of Health.

Gentlemen:

Following is a report of the work done by the Child Welfare Nurses of the Health Department for the year 1927:

Opthalmia visits	7
Opthalmia revisits	129
Prenatal visits	316
Postnatal visits	2515
Postnatal revisits	7279
Referred to M. D.	431
Referred to Lowell Guild	180
Boarding houses licensed	11
Boarding houses visited	142

Investigated	68
Referred to T. B. clinic	18
Referred to hospitals	83
Referred to Charity Department	51
Referred to G. U. clinic	7
General Nursing	5

All nurses assist at G. U. Clinics held on Tuesday and Friday evenings.

Respectfully submitted,

PAULINE PICARD, R. N.

ALICE GORMAN, R. N.

CATHERINE SULLIVAN, R. N.

MARGUERITE HIGGINS, R. N.

JEANNETTE GEORGE, R. N.

CECILE CLANCY, R. N.

Child Welfare Nurses.

REPORT OF INSPECTOR OF MEATS AND PROVISIONS

Lowell, Mass., Jan. 1st, 1928.

Board of Health.

Gentlemen:

The following is a report of the work done by me during the year 1927:

Number of inspections made of stores	3670
Number fowl and geese condemned for food	12
Number of turkeys condemned as food	2
Number lbs. beef condemned as food	115
Number lbs. sausage condemned as food	41
Number lbs. pork condemned as food	95½
Number lbs. pressed meat condemned as food	27
Number lbs. cheese condemned as food	5
Number lbs. potatoes condemned at food	60
Number lbs. tomatoes condemned as food	300

Number lbs. fish condemned as food	50
Number lbs. canned goods (no labels) condemned as food	9
Number boxes strawberries condemned as food.....	2796

Respectfully submitted,

CLEMENT A. HAMBLET, M. D. V.
Inspector of Meats and Provisions.

REPORT OF PLUMBING INSPECTORS

Lowell, Mass., Jan. 1, 1928.

To the Board of Health,
Lowell, Mass.

Gentlemen:

Following is a report of the plumbing work done by the Plumbing Inspectors for the year ending Dec. 31, 1927:

Whole number of applications	951
New Houses	145
Old Houses	806
Inspections	4083
Tests	883
Complaints	237
Total visits	5203

Respectfully submitted,

CHARLES N. MIDWOOD,
WILLIAM I. RYAN,
Plumbing Inspectors.

REPORT OF FUMIGATOR

Lowell, Mass., Jan. 1, 1928.

Board of Health.

Gentlemen:

Following is a report of fumigating work done by me during the year 1927:

Houses	346
Rooms	672
Diphtheria fumigations	120
Scarlet fever fumigations	144
Tuberculosis fumigations	33
Cerebro-spinal meningitis fumigations	7
Infantile paralysis fumigations	10

Respectfully submitted,

SPENCER D. BROWN,

Fumigator.

Notices were sent during the year to abate the following nuisances:

Rubbish in yards	33
Rubbish in cellars	10
No water supply to tenements	6
Untrapped sinks	2
Clogged sink waste pipes	2
No water supply to toilets	7
Manure in yards	1
Leaky water supply pipes	2
Leaky sink waste pipes	1
Clogged drains	4
Open connections in sink waste pipes	7
Clogged toilets	4
Notices to remove hens	3
Clogged catch basins	1
Leaky Toilets	3
Contents of dry wells overflowing	2

Notices to remove pigeons	1
Improper material for sink waste pipe	1
Filthy Stables	1
Notices to remove pigs	4
Unused fixtures removed	1
Broken Toilet seat	1
Leaky flush pipe to toilet	2
Filthy garbage cans	1

CASES OF CONTAGIOUS DISEASES REPORTED

	1927	1926	1925	1924
Diphtheria	194	70	50	113
Scarlet fever	162	285	265	135
Measles	16	196	1954	205
Typhoid fever	26	15	10	14
Smallpox	0	0	0	0
Cerebro-spinal meningitis	3	1	6	4
Infantile paralysis	13	5	6	1
Tuberculosis	120	209	151	188
Influenza	6	26	4	7

DEATHS FROM CONTAGIOUS DISEASES

	1927	1926	1925	1924
Diphtheria	18	6	4	10
Scarlet Fever	1	3	3	1
Measles	0	3	13	0
Typhoid fever	3	1	0	2
Smallpox	0	0	0	0
Cerebro-spinal meningitis	1	1	4	4
Infantile paralysis	2	2	2	1
Tuberculosis	56	95	90	112
Influenza	2	3	0	3

TYPHOID FEVER

	Popula- tion	Cases Reported	Deaths
Total 1927	112,759	26	3
Total 1926	112,759	15	1
Total 1925	112,759	10	0
Total 1924	112,759	14	2
Total 1923	112,759	10	3
Total 1922	112,759	11	3
Total 1921	112,759	27	6
Total 1920	112,759	27	3
Total 1919	107,978	31	4
Total 1918	107,978	21	2
Total 1917	107,978	37	7
Total 1916	107,978	61	13
Total 1915	106,294	112	18
Total 1914	106,294	85	11
Total 1913	106,294	65	11
Total 1912	106,294	86	10
Total 1911	106,294	61	7
Total 1910	106,294	186	22
Total 1909	96,380	91	11
Total 1908	96,380	188	24
Total 1907	96,380	73	9
Total 1906	96,380	30	7
Total 1905	94,889	56	17
Total 1904	104,402	48	17
Total 1903	101,959	238	26
Total 1902	99,574	83	16
Total 1901	94,969	70	18
Total 1900	94,969	85	17
Total 1899	90,114	57	17
Total 1898	87,000	119	24
Total 1897	87,000	105	18
Total 1896	95,700	178	36
Total 1895	84,359	172	33
Total 1894	83,026	282	50
Total 1893	81,694	160	53
Total 1892	80,361	373	75
Total 1891	79,029	293	77
Total 1890	77,696	454	123

VITAL STATISTICS

	1927	1926	1925
Deaths, male	723	792	743
Deaths, female	674	758	811
	<hr/>	<hr/>	<hr/>
Total.....	1397	1550	1554
Children under 1 year	218	221	230
Children under 2 years	244	264	305
Children under 5 years	286	302	345
Per cent total deaths under 5 years	20 5	19 5	22 2

BIRTHPLACES

	Deceased	Parents
Lowell	504	310
Massachusetts	128	189
Other States	181	348
Ireland	177	673
Canada	187	498
Great Britain	96	246
Other Countries	117	341
Unknown	7	189
	<hr/>	<hr/>
	1397	2794

PLACES OF INTERMENT

St. Patrick's Cemetery	552
Edson	163
Westlawn	124
Lowell	48
St. Joseph's	324
Polish Cemetery	20
Other Cemeteries	13
Removed from City	153
	<hr/>
	1397

PLACES OF DEATH

Ward 1	99
Ward 2	123
Ward 3	75
Ward 4	78
Ward 5	109
Ward 6	68
Ward 7	145
Ward 8	54
Ward 9	80
Ward 10	94
Ward 11	55
Chelmsford Street Hospital	83
Cheney-Allard Hospital	1
Lowell Hospital	79
Lowell General Hospital	79
St. John's Hospital	130
Isolation Hospital	30
Shaw Hospital	13
St. Joseph's	2
	<hr/>
	1397

There were 2698 vaccinations during the year.

DEATH RATE

			Deaths	Death Rate Per 1,000
Population, census	1890	77,696	1,959	25.21
estimated	1891	79,029	1,972	24.95
estimated	1892	80,361	2,224	27.67
estimated	1893	81,694	2,094	25.62
estimated	1894	83,026	1,775	21.28
census	1895	84,359	1,857	22.01
estimated	1896	85,700	1,901	22.18
estimated	1897	87,000	1,855	21.33
estimated	1898	87,000	1,808	20.78
estimated	1899	90,114	1,848	20.50
census	1900	94,969	1,849	19.47
estimated	1901	94,969	2,038	21.45
estimated	1902	99,574	1,935	19.43
estimated	1903	101,959	1,898	18.61
estimated	1904	104,402	1,736	16.61
census	1905	94,889	1,899	20.02
census	1906	96,380	1,918	19.90
census	1907	96,380	2,063	21.40
census	1908	96,380	1,963	20.36
census	1909	96,380	1,885	19.55
census	1910	106,294	2,100	19.76
census	1911	106,294	1,925	18.11
census	1912	106,294	1,891	17.79
census	1913	106,294	1,749	16.45
census	1914	106,294	1,768	16.63
census	1915	106,294	1,820	17.12
census	1916	107,978	1,964	18.19
census	1917	107,978	1,938	17.95
census	1918	107,978	2,473	22.90
census	1919	107,978	1,709	15.82
census	1920	112,759	1,770	15.69
census	1921	112,759	1,469	13.02
census	1922	112,759	1,534	13.60
census	1923	112,759	1,681	14.90
census	1924	112,759	1,545	13.70
census	1925	112,759	1,554	13.78
census	1926	112,759	1,550	13.74
census	1927	112,759	1,397	12.39

MORTALITY REPORT

OF THE

CITY OF LOWELL

FOR THE

YEAR 1927

Deaths during the Year — 1397 (exclusive of stillbirths)

Stillbirths — 104

S E X

Males — 723

Females — 674

Population Estimated at 112,759

Death Rate per 1,000 — 12.39

CAUSES OF DEATH

[illegible]

CAUSES OF DEATH

[illegible]

CAUSES OF DEATH

[illegible]

CAUSES OF DEATH

[illegible]

CAUSES OF DEATH

CAUSES OF DEATH	All ages	Under 1 year	1 year	2 years	3 years	4 years	4 yrs. and under 5	5-9 years	10-14 years	15-19 years	20-24 years	25-29 years	30-34 years	35-39 years	40-44 years	45-49 years	50-54 years	55-59 years	60-64 years	65-69 years	70-74 years	75-79 years	80-84 years	85-89 years	90-94 years	95-99 years	100 yrs. and over	Unknown	Males	Females	
(a) Tb. of the Skin and subcutaneous cellular tissue																															
(b) Tb. of the bones (Vertebral column excepted)																															
(c) Tb. of the lymphatic system (Mesenteric and retroperitoneal glands excepted)																															
(d) Tb. of the genitourinary system	1									1																				1	
(e) Tb. of organs other than the above																															
37. Disseminated Tuberculosis																															
(a) acute	2														1															1	1
(b) Chr. or unspecified																															
38. Syphilis																															
39. Soft Chancre																															
40. Gonococcus Infection																															
41. Purulent Infection, septicemia	8	1			1	2	2					1				1		1						1						4	4
42. Other Infectious Diseases																															
Total Epidemic, endemic and Infectious Diseases	94	5	1	11	4	2	23	11	1	5	6	8	7	4	7	2	5	3	3	3	2	2	1	1						48	46

CAUSES OF DEATH

[illegible]

CAUSES OF DEATH

[illegible]

CAUSES OF DEATH

CAUSES OF DEATH	All ages	Under 1 year	1 year	2 years	3 years	4 years	4 yrs. and under 5	5-9 years	10-14 years	15-19 years	20-24 years	25-29 years	30-34 years	35-39 years	40-44 years	45-49 years	50-54 years	55-59 years	60-64 years	65-69 years	70-74 years	75-79 years	80-84 years	85-89 years	90-94 years	95-99 years	100 yrs. and over	Unknown	Males	Females
62. Diseases of the thymus gland.....	1	1					1																							1
63. Diseases of the adrenals (Addison's Disease)																														
64. Disease of the spleen																														
65. Leukemia and Hodgkin's disease																														
(a) Leukemia	2								1												1								1	1
(b) Hodgkin's disease																														
66. Alcoholism (acute or chronic)	6													1		2	1		2										6	
67. Chronic Poisoning by mineral substances																														
(a) Chronic lead poisoning																														
(b) Others under this title.....																														
68. Chronic Poisoning by organic substances																														
69. Other general disease	1															1													1	1
Total General Diseases not included in Class I	178	1					1	1	2	2	5	2		4	4	22	22	24	31	26	17	14	1						77	101

CAUSES OF DEATH

[illegible]

CAUSES OF DEATH

CAUSES OF DEATH	All ages		Under 1 year	1 year	2 years	3 years	4 years	4 yrs. and under 5	5-9 years	10-14 years	15-19 years	20-24 years	25-29 years	30-34 years	35-39 years	40-44 years	45-49 years	50-54 years	55-59 years	60-64 years	65-69 years	70-74 years	75-79 years	80-84 years	85-89 years	90-94 years	95-99 years	100 yrs. and over	Unknown	Males	Females	
79. Convulsions (nonpuerperal; 5 yrs. and over)																																
80. Infantile Convulsions (under 5 yrs. of age)	2	1	1	2																											2	
81. Chorea																																
82. Neuralgia and neuritis																																
83. Softening of the brain																																
84. Other diseases of the nervous system	7									1				1				1	2	1				1						4	3	
85. Diseases of the eye and annexæ																																
86. Diseases of the ear and of the mastoid process																																
(a) Diseases of the ear	1																		1												1	
(b) Diseases of the mastoid process	1																						1								1	
Total diseases of the Nervous System and of the organs of special sense	115	2	1	3	1	2							1	2	4	4	4	7	22	12	14	15	14	7	2	1				50	65	

CAUSES OF DEATH

	All ages	Under 1 year	1 year	2 years	3 years	4 years	4 yrs. and under 5	5-9 years	10-14 years	15-19 years	20-24 years	25-29 years	30-34 years	35-39 years	40-44 years	45-49 years	50-54 years	55-59 years	60-64 years	65-69 years	70-74 years	75-79 years	80-84 years	85-89 years	90-94 years	95-99 years	100 yrs. and over	Unknown	Males	Females
IV. Diseases of the Circulatory System																														
87. Pericarditis																														
88. Endocarditis and myocarditis (ac)	23							3	2	4	4	1		5	3	1													8	15
89. Angina Pectoris	14														2		1	1	1	1	3	1	3	2					11	3
90. Other Diseases of the heart	233	1				1	1	2	1	2	2	2	3	4	8	18	20	29	40	32	23	28	13	5					127	106
91. Diseases of the arteries																														
(a) Aneurism																														
(b) Arteriosclerosis	171															2	4	8	12	29	43	36	22	8	5	2			92	79
(c) Other diseases of the arteries																														
92. Embolism and thrombosis (not cerebral)	14											2	1	1	1	1			2	2	1	2	1				1		8	6
93. Diseases of the veins (varices, hemorrhoids, phlebitis, etc.)																														
94. Diseases of the lymphatic system (lymphangitis, etc.)																														
95. Hemorrhage without specified cause	1															1													1	
96. Other Disease of the Circulatory System																														
Total Diseases of the Circulatory System	456	1				1	1	5	3	6	6	3	5	10	15	22	25	38	55	66	68	69	38	13	5	2	1	1	247	209

CAUSES OF DEATH

[illegible]

CAUSES OF DEATH

	All ages	Under 1 year	1 year	2 years	3 years	4 years	4 yrs. and under 5	5-9 years	10-14 years	15-19 years	20-24 years	25-29 years	30-34 years	35-39 years	40-44 years	45-49 years	50-54 years	55-59 years	60-64 years	65-69 years	70-74 years	75-79 years	80-84 years	85-89 years	90-94 years	95-99 years	100 yrs. and over	Unknown	Males	Females
(a) lobar	30	3	2	1	1	1	7				1	2	1	1		3	3	3	2	4	1	1			1				20	10
(b) unspecified																														
102. Pleurisy	1							1																						1
103. Congestion and hemorrhagic infarct of the lung	5											1					1	1			1								2	3
104. Gangrene of the lung																														
105. Asthma	1																				1									1
106. Pulmonary emphysema																														
107. Other diseases of the respiratory system (tuberculosis excepted)																														
(a) Chr. interstitial pneumonia, including occupational diseases of the respiratory system																														
(b) Diseases of the mediastinum																														
(c) Others under this title	2										1		1																2	
Total Diseases of the Respiratory System	145	39	19	3	4	3	68	1			2	4	4	5	1	5	8	9	8	8	8	8	3		1	2			80	65

CAUSES OF DEATH

CAUSES OF DEATH																															
	All ages	Under 1 year	1 year	2 years	3 years	4 years	4 yrs. and under 5	5-9 years	10-14 years	15-19 years	20-24 years	25-29 years	30-34 years	35-39 years	40-44 years	45-49 years	50-54 years	55-59 years	60-64 years	65-69 years	70-74 years	75-79 years	80-84 years	85-89 years	90-94 years	95-99 years	100 yrs. and over	Unknown	Males	Females	
VI. Diseases of the Digestive System																															
108. Diseases of the mouth and annexa	1																		1												1
109. Diseases of the pharynx and tonsils (including adenoid vegetations)																															
(a) Adenoid vegetations																															
(b) Others Including Septic Sore Throat					*			*																							
110. Diseases of the esophagus																															
111. Ulcer of the stomach and duodenum																															
(a) Ulcer of the stomach																															
(b) Ulcer of the duodenum	1																		1											1	
112. Other diseases of the stomach cancer excepted)	3	1					1												2											3	
113. Diarrhoea and enteritis (under 2 yrs. of age)	45	43	2				45																							25	20
114. Diarrhoea and enteritis (2 yrs. and over)	4			2		1	3																	1						2	2

CAUSES OF DEATH

[illegible]

CAUSES OF DEATH

CAUSES OF DEATH	All ages													Males													Females												
	Under 1 year	1 year	2 years	3 years	4 years	4 yrs. and under 5	5-9 years	10-14 years	15-19 years	20-24 years	25-29 years	30-34 years	35-39 years	40-44 years	45-49 years	50-54 years	55-59 years	60-64 years	65-69 years	70-74 years	75-79 years	80-84 years	85-89 years	90-94 years	95-99 years	100 yrs. and over	Unknown												
120. Acute yellow atrophy of the liver																																							
121. Hydatid tumor of the liver.....																																							
122. Cirrhosis of the liver																																							
(a) specified as alcoholic																																							
(b) not specified as alcoholic																																							
123. Biliary Calculi																																							
124. Other diseases of the liver																																							
125. Disease of the pancreas																																							
126. Peritonitis without specified cause																																							
127. Other diseases of the digestive system (cancer and tuberculosis excepted)																																							
Total Diseases of the Digestive System	105	48	2	2	1	53	1	3	1	1	1	1	3	1	5	5	5	6	7	7	7	5	5				59	46											

CAUSES OF DEATH

[illegible]

CAUSES OF DEATH

CAUSES OF DEATH	All ages		Under 1 year	1 year	2 years	3 years	4 years	4 yrs. and under 5	5-9 years	10-14 years	15-19 years	20-24 years	25-29 years	30-34 years	35-39 years	40-44 years	45-49 years	50-54 years	55-59 years	60-64 years	65-69 years	70-74 years	75-79 years	80-84 years	85-89 years	90-94 years	95-99 years	100 yrs. and over	Unknown	Males	Females
136. Non-venereal Diseases of the male • genital organs.....																															
137. Cysts and other benign tumors of the ovary																															
138. Salpingitis and pelvic abscess (female)	1											1																			1
139. Benign tumors of the uterus	1														1																1
140. Nonpuerperal uterine hemorrhage																															
141. Other diseases of the female genital organs																															
142. Nonpuerperal diseases of the breast (cancer excepted)																															
Total Nonvenereal Diseases of the Genito Urinary System and Annexa	68					1		1			1	2	2	2	6	7	6	8	5	10	5	6	3	1	3					34	34

CAUSES OF DEATH

[illegible]

CAUSES OF DEATH

CAUSES OF DEATH	All ages															Males															Females														
	Under 1 year	1 year	2 years	3 years	4 years	4 yrs. and under 5	5-9 years	10-14 years	15-19 years	20-24 years	25-29 years	30-34 years	35-39 years	40-44 years	45-49 years	50-54 years	55-59 years	60-64 years	65-69 years	70-74 years	75-79 years	80-84 years	85-89 years	90-94 years	95-99 years	100 yrs. and over	Unknown																		
148. Puerperal albuminuria and convulsions							6				2	1	1	2																															
149. Following child-birth (not otherwise defined)																																													
150. Puerperal Disease of the Breast...																																													
Total Diseases of the Puerperal State	17							1	1	6	4	2	3															17																	
IX. Diseases of the Skin and of the Cellular Tissue																																													
151. Gangrene	4																	1				1	2				3	1																	
152. Furuncle																																													
153. Acute Abscess																																													
154. Other diseases of the skin and annexa																																													
Total Diseases of the Skin and of the Cellular Tissue	4																	1			1	2					3	1																	

CAUSES OF DEATH

[illegible]

CAUSES OF DEATH

[illegible]

XIII. Old Age

[illegible]

CAUSES OF DEATH

[illegible]

CAUSES OF DEATH

[illegible]

CAUSES OF DEATH

CAUSES OF DEATH	All ages		Under 1 year					1 year	2 years	3 years	4 years	4 yrs. and under 5	5-9 years	10-14 years	15-19 years	20-24 years	25-29 years	30-34 years	35-39 years	40-44 years	45-49 years	50-54 years	55-59 years	60-64 years	65-69 years	70-74 years	75-79 years	80-84 years	85-89 years	90-94 years	95-99 years	100 yrs. and over	Unknown	Males	Females			
193. Excessive cold																																						
194. Excessive heat.....																																						
195. Lightning																																						
196. Other accidental electric shocks ..	1																1																			1		
197. Homicide by firearms	2															1																				2		
198. Homicide by cutting or piercing instruments																																						
199. Homicide by other means																																						
200. Infanticide (murder of infants less than 1 year of age)																																						
201. Fracture (cause not specified)	1																								1											1		
202. Other external violence	5												2				1								1										3	2		
203. Violent deaths of unknown causation																																						
Total External Causes	83	1	1	3	3	3	11	8				1	6	4	5	5		12	9	12	1	2	3	1	2		1								56	27		

CAUSES OF DEATH

XV. Ill-defined Diseases

204. Sudden death																															
205. Cause of death not specified or ill-defined																															
ill-defined	1												1																	1	1
(b) Not specified or unknown	4	2					2												1									1	3	1	
Total Ill-defined Diseases	5	2					2							1					1										1	3	2
Total from all causes	1397	218	26	20	13	9	286	28	11	16	24	33	29	44	47	66	92	111	138	131	125	120	60	22	7	5	1	1	1	723	674
Males .....	....	113	19	10	7	4	153	14	5	8	10	13	12	20	24	37	52	64	74	67	65	56	30	12	5	1	....	1	723	....
Females .....	....	105	7	10	6	5	133	14	6	8	14	20	17	24	23	29	40	47	64	64	60	30	10	2	4	1	....	....	....	674	

TABLE

Cases and deaths of diseases dangerous to the public health: 1927

This table includes ALL cases (with their deaths) irrespective of whether cases were transported into the city from elsewhere or were contracted outside of the city.

[illegible]

TABLE — INFANT MORTALITY — Under 1 Year

[illegible]

TABLE — INFANT MORTALITY — Under 1 Year

[illegible]

TABLE — INFANT MORTALITY — Under 1 Year

CAUSES OF DEATH	Total																							
	January	February	March	April	May	June	July	August	September	October	November	December	Under 1 day	1 day	2 days	3-6 days	7-13 days	14-20 days	21-29 days	1 month	2 months	3-5 months	6-8 months	9-11 months
41. Purulent Infection, septicaemia ..	1	1																						
62. Disease Thyroid Gland	1		1																1					
71. Meningitis																								
(a) simple meningitis																								
(b) non-epidemic meningitis...																								
80. Infantile Convulsions																								
86. Diseases of the ear and of the mastoid process																								
(a) Diseases of the ear																								
(b) Diseases of the Mastoid Process																								
87. Pericarditis																								
88. Endocarditis and Myocarditis (ac.)																								
89. Angina Pectoris																								
90. Other diseases of the Heart....																								
99. Bronchitis																								
(a) acute	7	2	2	2	1	1														1	3		1	2

TABLE — INFANT MORTALITY — Under 1 Year

[illegible]

SWILL ACCOUNT

	Loads Collected	Cash	Loads Charged to Chelmsford St. Hospital
January	599	\$282.50	34
February	515	278.39	29
March	583½	435.42	3
April	536	402.06	0
May	547½	452.81	0
June	532	532.00	0
July	504½	504.50	0
August	632	632.00	0
September	753½	753.50	0
October	578½	576.50	2
November	536	531.00	5
December	538	538.00	0
	<hr/> 6855½	<hr/> \$5918.68	<hr/> 73

There were 84 swill licenses granted during the year.

ASH AND WASTE DIVISION

	Loads of Ashes	Loads of Paper	Loads of Market Refuse
January	3200	66	89
February	2705	55	70
March	3465	57	89
April	3113	57	84
May	2625	62	88
June	2575	56	85
July	2350	57	85
August	2431	66	94
September	2392	55	86
October	2439	62	87
November	2826	60	95
December	3303	55	85
	<hr/> 33424	<hr/> 708	<hr/> 1037

HEALTH OFFICE — SALARIES

Expenditures 1927

Agent (Mr. O'Hare)	\$2,665.02
General Inspector (Mr. Connors)	2,346.43
Plumbing Inspector (Mr. Midwood)	1,982.33
Plumbing Inspector (Mr. Ryan)	1,982.33
Health Inspector (Mr. Kearney)	1,323.39
Meat Inspector (Dr. Hamblet)	1,204.01
Fumigator (Mr. Brown)	1,650.03
Tuberculosis Physician (Dr. Drury)	400.12
Vaccination Physician (Dr. Johnson) ..	246.72
Registrar (Miss Snow)	1,799.75
Clerk (Miss White)	1,147.67
Tuberculosis Nurse (Mrs. Kirwin)	1,304.17
Tuberculosis Nurse (Miss Carroll)	1,304.17
Tuberculosis Nurse (Miss Riordan) ...	900.00
Child Welfare Nurse (Miss Gorman)	1,304.17
Child Welfare Nurse (Miss Goudreau) ..	4.17
Child Welfare Nurse (Mrs. Higgins)	1,029.17
Child Welfare Nurse (Miss Picard)	225.00
Child Welfare Nurse (Miss Sullivan) ..	1,304.17
Child Welfare Nurse (Mrs. Clancy)	1,304.17
Child Welfare Nurse (Mrs. George)	1,300.00
G. U. Clinic Nurse (Miss Titcomb)	1,304.17
G. U. Clinic Nurse (Mr. Milot)	365.17
G. U. Clinic Physician (Dr. Leland) ..	1,000.56
Board of Health (3 members)	2,100.00
Bacteriologist (Dr. Rodger)	1,000.00
	<hr/>
	\$32,496.89

OFFICE SUNDRIES

Aubulance Expenses	
Service from May 16, 1927	\$3,123.48
Repairs	176.65
Telephone	13.75
Supplies — cloth, blankets, sheets pillow-cases, ice	87.49
Trips to Sanatoria	4.45
Automobile expenses	507.84
Advertising	25.64
Bacteriological Laboratory	190.04
Binding book	1.25
Car tickets	620.00
Express	23.82
Fumigating supplies	163.33
First Aid Tent	37.25
Directory	10.00
Drinking cups	1.60
Exterminating rats on dump	15.00
Investigating Deaths	81.00
Kelvinator	198.00
Printing	151.14
Printing Annual Report	403.68
Record Book	11.17
Nurses' Cards	17.50
Subscription to paper	6.00
Sundries (Office Supplies)	224.01
Stamped Envelopes	100.00
Sale of apples and pears	40.00
Telephone	79.00
Underwood Typewriter	110.25
Vaccine Plasters	21.25
Vaccinating	537.00
Steel Filing Cabinet	46.50
Swab wires	17.66
	<hr/>
	\$ 7,045.75

TUBERCULOSIS EXPENSES

Burials	\$ 60.00	
Canton Hospital School	645.42	
North Reading State San.	631.00	
Lakeville State San.	2,404.90	
Rutland State San.	666.80	
Tewksbury State Infirmary	35.00	
Westfield State San.	396.00	
Medicine	52.60	
Medical Services	54.00	
Provisions	216.30	
Sputum Refills	8.00	
Sputum Boxes	17.50	
Sputum Cups and Bottles	19.50	
St. John's Hospital	31.00	
Transportation	5.35	
Worcester Board of Health	462.42	
	<hr/>	\$ 5,705.79

OTHER CONTAGIOUS DISEASES

Boston — City of	\$ 72.57	
Burial	15.00	
Culture Boxes	36.00	
Medical Services	177.00	
St. John's Hospital	93.00	
Tetanus Antitoxin	36.00	
Test Tubes	35.00	
Worcester Board of Health	448.70	
	<hr/>	\$ 913.27

G. U. CLINIC — SUPPLIES

Absorbent Cotton	\$ 13.50
Adrenalin	1.00
Bismodol	58.06
Collodion .....	.56
Ether	1.50
Ethyl Chloride	1.75
Filing Cabinet	43.00
Glacial Acetic Acid .....	.43
Glass Irrigating Tubes	1.87
Gauze	9.00
Green Soap	9.20
Hypersonide	7.80
Hydro-Sulphic Acid	1.40
Lamb Wool Tampon	3.00
Lamps and elec. repairs	6.38
Laundry	128.36
Lowell General Hospital	42.00
Lubrisol	2.70
Medicine	58.05
Merc. Salicylate Cream	9.00
Micro Slides	15.69
Pappenheim Stain	4.71
Permanganate Potassium	7.50
Petrol Thermostat	1.25
Red Ink .....	.20
Rep'g Sterilizer	19.75
Red Tubing	4.67
Rubber Gloves	6.18
St. John's Hospital	4.50
Syringes and Bulbs	59.24
Sodium Iodide	7.00
Stamps	66.00
Towels	2.70
Trypasamide	13.10
Vaginal Merc. Suppositories	104.00
Vim Needles	4.12
Yale Needles	3.00
Adhesive Plaster .....	.50
	<hr/> \$ 722.67
Total Office Expenses Sundries	<hr/> \$14,387.48

HEALTH YARD — LABOR

Teamsters	\$17,993.30	
Helpers	16,374.80	
Stablemen	7,407.40	
Foreman	1,975.13	
Blacksmiths	2,823.75	
Cooper	548.60	
Wheelwright	3,128.46	
General Utility Man	1,461.20	
Vacations	2,032.86	
Yardman	1,898.00	
	<hr/>	\$55,643.50

YARD SUNDRIES

Blacksmiths' Supplies	\$ 632.63	
Butter tubs	9.35	
Bran	104.92	
Coal	547.76	
Champion Columbian Tire Bender	75.00	
Directory	5.00	
Elec. Supplies and Rep'g	14.09	
Electric Lights	103.00	
Gas	121.76	
Hay	500.68	
Harness Supplies	195.80	
Horse Medicine	29.10	
New Horses	470.00	
Use of Horses	118.00	
Hardware	116.65	
Hose	22.00	
Laundering	156.00	
Lard, Oil and Turpentine	12.15	
Lumber	37.50	
Manila Rope	2.03	
Oats	599.74	
Plates for repairs in wagons	12.00	
Sundries	16.38	
Salt	30.30	
Straw	234.79	
Soap and Sponges	11.10	
Toilet Paper	17.50	
Telephone	16.63	
Veterinary Services	85.50	
Van Dorn Elec. Driller	58.00	
Water	158.39	
	<hr/>	\$ 4,513.75

ASHES AND WASTE DIVISION — LABOR

Foreman	\$2,393.36
Alleys	1,632.80
Paper	2,173.60
Market Refuse	4,253.20
Stablemen	3,892.55
Dumpmen	3,289.20
Ashes	64,775.19
Harness Maker	1,649.48
Nursing Horses	20.80
Sled Dumps	560.86
Vacations	3,167.56
Cleaning Dumps	571.60
Watchmen on Dumps	104.00
Labor at Yard	778.00
	<hr/> \$89,262.20

ASHES AND WASTE DIVISION — SUNDRIES

Animal Regulator	\$ 10.20
Auto Expenses	423.72
Blankets	45.00
Blacksmiths' Supplies	498.03
Book Binder	3.90
Bran	87.00
Birch Brooms	15.00
Coal	13.00
Elec. Light	23.75
Feed for Horses — Street Dept.	446.00
Hay	6,138.60
Hardware	84.38
Harness Supplies	242.43
Horse Medicine	20.00
Hydrated Lime	3.90
Horse Hire	548.75
Locks, Padlocks and Keys	14.25
Laundering	312.00
Lumber	78.53
Oats	4,122.74
Oakum .....	.85
Removing Dead Horse	6.00
Serum for Sick Horses	64.0
Shovels	18.00

Telephone	25.88	
Veterinary Services	200.60	
Salt	5.00	
Straw	182.73	
Soap	5.00	
	<hr/>	\$13,639.24

MILK DEPARTMENT — SALARIES

Mr. Master, inspector	\$2,999.69	
Mr. McKeon, collector	2,086.67	
Mr. Descheneaux, technician	1,825.83	
	<hr/>	\$ 6,912.19

MILK DEPARTMENT — SUNDRIES

Auto Expenses	\$ 341.58	
Car Tickets	43.00	
Directories	11.50	
Den. Alcohol	3.00	
Express	11.60	
Envelopes	89.50	
Laboratory Equipment	614.73	
Labels and Wax	30.50	
Matches	6.25	
Oil of Vitroil	9.02	
Printing	104.50	
Return Sample Bottles and Corks	174.60	
Sub. to Paper	15.00	
Sundries	47.09	
Traveling Expenses	259.00	
Telephone	84.35	
Testing Babcock	3.50	
Towels	15.80	
	<hr/>	\$ 1,864.52

DIVISION SCHOOL HYGIENE — SALARIES

Director	\$4,000.00
11 Physicians	5,500.00
10 Nurses	12,000.00
Dentist (Dr. Donahue)	1,000.00
Dentist (Dr. Mullane)	551.10
Dentist (Dr. Thos. Donnelly)	108.90
Dental Assistant (Miss Lantagne)	600.00

Children's Camp Expenses:

Nurse	\$100.00	
Male Attendant	100.00	
Cook	100.00	
Night Watchman.....	93.60	
Day and Night Watchman ..	83.20	
	<hr/>	\$476.80
		<hr/> \$24,236.80

DIVISION SCHOOL HYGIENE — SUNDRIES

Antitoxin Outfit	\$ 152.33
Auto Expenses	539.48
Car Tickets	270.00

Dental Clinic:

Telephone	35.47
Laundering	80.41
Sundries	128.20
Expenses of Moving	243.24
Cabinet for Filing	134.50
Freight	1.47
Nurses' Supplies	11.15
Printing	96.92
Sheets for recording postures	13.95
Silhouette sheet and sateen	4.43
Tongue Depressors	40.00
Transportation of children to No. Reading San. for X-Ray treatment in con- junction with State 10 year survey	12.00

Children's Health Camp Expenses:

Car Tickets	\$200.00	
Combs .....	.75	
Derbac Soap	1.13	
Drinking Straws	2.00	
Cleanser .....	.20	
Gas	73.23	
Ink .....	.35	
Ice	17.20	
Ice Cream	40.50	
Knives and Forks	1.00	
Laundering	7.00	
Provisions including Milk ..	427.36	
Rinso .....	.50	
Roofing Paper	22.74	
Testing Scales .....	.71	
	<hr/>	\$794.67
		<hr/> \$ 2,558.22

ANALYSIS OF EXPENDITURES FOR YEAR 1927

ISOLATION HOSPITAL

Salaries and Wages

Superintendent	\$2,000.00
Medical Staff	1,500.00
Supt of Nurses	1,200.00
Clerk	1,304.17
Nurses	10,559.93
Engineer	1,946.00
Firemen	5,629.80
Chef	1,840.00
Baker	1,480.72
Laundryman and Laundresses	3,022.18
Kitchenwoman	620.87
Domestics	1,655.87
Ward Maids	1,187.15
Waitress	675.72
Orderlies	1,877.85
Gardener	991.67
Vacations	463.99
	<hr/> \$37,955.92

Expenses and Supplies

Groceries and provisions ..	\$15,891.10	
Medicines and Hospital Sup.	3,591.22	
Fuel	5,799.76	
Gas	909.97	
Electricity	1,208.53	
Water	943.03	
Office Supplies	283.78	
Boiler Room Supplies	232.34	
General House	993.95	
Laundry Supplies	216.03	
Express and Cartage	43.06	
Ice	192.39	
Automobile Expenses	200.00	
	<hr/>	\$30,505.16
Grand Total		<hr/> \$68,461.08

INCOME TRANSFERRED TO GENERAL FUND 1927**Cash**

Swill Sold	\$5,918.68
Swill Licenses	445.00
G. U. Clinic Fees	324.55
Com. of Mass. for G. U. Clinic	1,000.00
Manicure and Massage Licenses	50.00
Denatured Alcohol Licenses	124.00
Day Nursery License	1.00
Sale of Junk	5.00
John Brady — sale of manure	400.00
E. J. Donnelly — sale of auto	266.00
Non-Alcoholic beverage licenses	90.00

ISOLATION HOSPITAL**Other Contagious Diseases**

Hope Allen	\$ 34.50
Margaret Cahill	33.00
Eleanor Ingalls	30.00
Arthur Karafilis	50.00
Ed. Roussell	62.15
	<hr/>
	\$209.65

Tuberculosis Cases

Ruth Keyes	\$ 12.86
	<hr/>
	\$ 12.86

Total Cash

\$ 8,846.74

COMMITTED BILLS

ISOLATION HOSPITAL

Other Contagious Diseases

Wilmington B. of H.	\$146.44
Chelmsford B. of H.	169.29
Haverhill B. of H.	72.87
Northboro B. of H.	46.72
H. W. Blair	6.25
Bertha Riley	40.00
Mrs. Buyarsky	20.00
Nellie Bartlett	32.14
J. McCaffrey	49.29
D. Caddell	34.29
Jas. Walker	42.86
Southbridge B. of H.	60.00
J. J. Cheswick	25.72
J. Labonte.....	62.15
L. Grimard	47.14
H. J. Williams	45.00
H. O. Mulno	64.29
L. Benner	10.00
D. J. Flanagan	30.00
M. Cohen	23.50
N. E. Power Construction Co.	55.00
Needham B. of H.	94.30
Commonwealth of Mass.	43.50
C. Ingalls	42.87
Tony Karafalis	5.00
Donat St. Hilaire	50.00
	<hr/> \$1,318.62

Tuberculosis Cases

Haverhill B. of H.	\$ 17.14
Pierre Dupre	55.72
Commonwealth of Mass.	564.36
Comm. of Mass. Tb. Subsidy	6,172.82
Bridgewater B. of H.	83.58
George Parigian	10.00
F. S. Caldicott	255.00
	<hr/> \$ 7,158.62

INCOME TRANSFERRED TO GENERAL FUND—Continued

COMMITTED BILLS—Continued

Haverhill B. of H. (Patients cared for at home)	\$7.00	
Refunds	88.66	
		<hr/> \$17,419.64

Total Cash Payments.....	\$8,846.74
Total Commitments	8,484.24
Refunds	88.66

Total amount turned over to	
City Treasury by Health	
Department Office in 1927	\$17,419.64

Cash turned over to City Treasury by Milk Department in 1927	\$446.50
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SUMMARY

	Appropriation 1927	Additional Appropriation	Dep't Transfers	Expenditures 1927	Bal. on hand
Office Salaries	\$32,976.45			\$32,496.89	\$ 479.56
Office Sundries	14,735.22		\$ 5.00	14,387.48	352.74
Yard Labor	55,000.00		659.00	55,643.50	15.50
Yard Sundries	4,500.00		45.25	4,513.75	31.50
Milk Salaries	6,912.19			6,912.19	
Milk Sundries	2,000.00			1,864.52	135.48
Div. School Hygiene Salaries.....	24,236.80			24,236.80	
Div. School Hygiene Sundries.....	2,657.35			2,558.22	99.13
Isolation Hospital Salaries	38,000.00			37,955.92	44.08
Isolation Hospital Sundries	30,500.00		115.71	30,531.83	83.88
Ashes and Waste Labor	89,341.00			89,262.20	78.80
Ashes and Waste Sundries.....	14,000.00			13,639.24	360.76
Health Camp	600.00			476.80	123.20
	<u>\$315,459.01</u>		<u>\$ 824.96</u>	<u>\$314,479.34</u>	<u>\$1,804.63</u>

ANNUAL REPORT
— OF —
CHIEF ENGINEER
OF THE FIRE DEPARTMENT
LOWELL, MASS.



FOR THE YEAR
NINETEEN HUNDRED AND TWENTY-SEVEN

REPORT

Chief's Office, Central Fire Station,
Lowell, Mass., January 1, 1928.

To the Mayor and City Council of the City of Lowell:

Gentlemen:

In compliance with the City ordinance, I have the honor of submitting for your consideration the annual report of the condition and operation of the Fire Department for the year ending December 31, 1927.

The following statement will show the receipts and expenditures for the year:

SALARIES AND WAGES

Appropriation	\$412,500.00	
Expended	411,683.07	
Balance		\$ 816.03
Balance to 1928		10.58
Net balance		<u>\$ 805.45</u>

EXPENSES AND SUPPLIES

Receipts

Appropriation	\$ 21,350.00	
Refunds	217.89	
		<u>\$21,567 89</u>

Expenditures

Automobile repairs and upkeep	\$ 5,526.72	
Bedding	94.32	
Chemicals	120.80	
Coal and wood	6,423.57	
Fire Alarm upkeep	877.23	
Freight and Express	9.10	
Hose	2,234.00	
Laundry	741.47	
Lighting	2,219.56	
Office Supplies and Printing	321.35	
Sundries	1,587.64	
Telephone	510.92	
Water Bills	891.77	
		<u>\$21,558.45</u>
Balance		<u>\$ 9.44</u>

SALARIES OF MEMBERS OF THE FIRE DEPARTMENT

Chief Engineer	\$3,500.00 per annum
1st Assistant Chief	2,700.00 per annum
2nd Assistant Chief	2,500.00 per annum
3rd Assistant Chief	2,500.00 per annum
4th Assistant Chief	2,500.00 per annum
Captains of Companies	5.58 per day
Lieutenants of Companies	5.30 per day
Privates, 1st grade ..	5.00 per day
Privates, 2nd grade ..	4.50 per day
Privates, 3rd grade ..	4.00 per day
Electrician	51.25 per week
Linemen	37.50 per week

FORCE

The force is entirely permanent and consists of

1 Chief Engineer	3 Linemen
4 Assistant Chiefs	3 Telephone Operators
1 Drill Master	2 Chauffeurs
1 Clerk	132 Hosemen
1 Fire Alarm Operator	44 Laddermen
	20 Patrolmen

A total of 212 of which 21 are Captains and 19 Lieutenants.

They are divided into companies as follows:

- 10 Motor Engine Companies.
- 4 Motor Hose Companies.
- 4 Hook and Ladder Companies.
- 1 Protective Company.

CHANGES DURING THE YEAR

Died, permanent	1
Died, pensioner	2
Pensioned	3
Resigned	1

APPARATUS

The apparatus of this department is kept in the best possible condition and consists at present of:

Chief's Automobile	1
Assistant Chief's Automobiles	2
Electrician's Automobile	1
Combination Motors, Chemical and Hose Wagons	4
Triple Combinations	10
Aerial Ladder Truck	1
Auto Patrol Wagon	1
City Service Trucks	3
Service Car	1
Fire Extinguishers	37

RESERVE APPARATUS

Assistant Chief's Automobile	1
Aerial Ladder Truck	1
Hale Water Tower	1
Hose and Chemical Combinations	2
Steam Fire Engines	5

TELEPHONE

The telephone system is the same that was installed in 1913, consisting of one thirty-line switchboard located at the Palmer Street Station, which is connected with the Central office of the New England Telephone and Telegraph Company by two toll lines, and also the fourteen different fire stations, the Chief's office and residence, two Assistant Chiefs residences and battery room with eleven local lines.

PROTECTIVE DEPARTMENT

This department is maintained by the City and consists of twenty permanent men. They have responded to two hundred and eighty-one alarms; in service one hundred twenty-five and one-fourth hours; spread one hundred and two covers; used thirty extinguishers and thirty-one tanks; raised three hundred and fifty feet of ladders.

FIRE PREVENTION

A systematic inspection of buildings is made by the members of the Fire Department in order to relieve the fire hazard of the city. Each company has a certain district to inspect, and each inspection is recorded on a printed slip with report of conditions found. These slips are turned over to the Chief of the Department, and, when the conditions found are considered dangerous, letters are sent to both owners and tenants to have said conditions remedied. 11,330 buildings were inspected during the year by the different companies.

FIRES AND LOSSES

The whole number of alarms during the year ending December 31, 1927, was one thousand one hundred and seventy-six (1,176). Two hundred and fifty-seven (257) were given from signal boxes; six hundred and thirty-seven (637) telephones; one hundred and thirty-nine (139) stills; five (5) automatics; thirteen (13) exposures; and one hundred and twenty-five (125) reported fires. The "No School" signal was given seven (7) times. There were four hundred and forty-eight (448) fires extinguished by chemicals alone and two hundred and sixty-seven (267) where water was used. The remaining number were extinguished by other means or had been put out before the arrival of the department. Eighty-two (82) were in brick, stone or cement buildings; four hundred and five (405) in frame buildings and five hundred and sixty-four (564) other than building fires. The reported fires were mostly in frame buildings.

The whole amount of loss except the reported fires was two hundred forty-two thousand, six hundred sixty-five dollars and seventy-two cents (\$242,665.72); insurance four million, two hundred seven thousand, two hundred seventy-two dollars (\$4,207,272.00); insurance paid, two hundred thirty-five thousand, nine hundred ninety-five dollars and thirteen cents (\$235,995.13); loss above insurance, six thousand, six hundred seventy dollars and fifty-nine cents (\$6,670.59); valuation three million, one hundred fifty-six thousand, four hundred fifty dollars (\$3,156,450.00). The reported loss was six thousand, sixty-five dollars and seventy-five cents (\$6,065.75); insurance two million, nine hundred twenty-six thousand, fifty dollars (\$2,926,050.00); valuation, two million, nine hundred ninety-five thousand, four hundred sixty-four dollars and one cent (\$2,995,464.01).

There have been five (5) alarms out of the city, to which some part of the department has responded, for which no insurances are kept; Chelmsford 2, Tewksbury 3.

There have been fifty (50) fires where the loss was one thousand dollars and over.

January 6th, 731 and rear Dutton Street, owned and occupied by Walter L. Parker Co., loss \$13,722.66.

January 10th, 359 Central Street, owned and occupied by S. A. Attoian, loss \$8,290.

January 25th, 102-10 Middlesex Street, owned by Harry Bass and occupied by Louis Weiner, loss \$23,354.00.

January 25th, 112-22 Middlesex Street, owned by George K. Topjian and occupied by L. Simon, loss \$1,579.11

January 25th, 94-98 and rear Middlesex Street, owned by Etta M. Henry and occupied by Max Carp, loss \$2,059.46.

January 30th, 423 Central Street, owned by E. F. & L. M. Crane and occupied by G. Ahlijian, loss \$5,950.80.

February 7th, 267 Howard Street, owned and occupied by C. B. Coburn Company, loss \$3,356.64.

February 14th, 163 Church Street, owned by F. W. Burnham and occupied by V. Morawski, loss \$1,582.00.

February 15th, 156 Chelmsford Street, owned by M. W. Brien and occupied by I. Mehlman, loss \$1,625.00.

February 23rd, 175 Appleton Street, owned by G. K. Echnalian and occupied by C. Barbaditan, loss \$1,526.50.

March 10th, 263-5 Branch Street, owned by Andrew Hamilton and occupied by Paul Sahagian, loss \$1,245.00.

March 10th, 19 Mt. Vernon Street, owned and occupied by G. Parigian, loss \$2,381.00.

March 10th, 119 Chatham Street, owned and occupied by E. Vincent, loss \$1,595.00.

March 15th, 90 Middlesex Street, owned by M. Katz and occupied by P. Sousa & Co., et al, loss \$12,494.70.

March 29th, 327-41 Middlesex Street, owned by Burgess-Lang Co., and occupied by Gerson Bedding Co., et al, loss \$1,136.03.

March 30th, 18 Daly Street, owned by G. Greenberg and occupied by several, loss \$1,245.00.

April 6th, 496-500 Worthen Street, owned by S. Blank and occupied by V. Boutkevich, loss \$2,142.00.

April 8th, 304 Adams Street, owned by S. H. Husson, vacant, loss \$1,798.00.

April 16th, 161 Stedman Street, owned and occupied by A. Auger, loss \$2,245.90.

April 23rd, 231-7 Central Street, owned by Albion C. Taylor and occupied by Gray Furniture Co., loss \$8,514.54.

April 23rd, 217-27 Central Street, owned by A. Roach and M. J. Fitzgerald and occupied by several, loss \$2,460.00.

April 26th, 140 Swan Street, owned by James Nichols and occupied by H. Wood, loss \$2,200.00.

April 30th, 1409 Middlesex Street, owned by A. M. Torigian, vacant, loss \$3,500.00

May 7th, 408-22 Suffolk Street, owned by R. Alekel and occupied by several, loss \$1,957.27.

June 16th, 179-83 East Merrimack Street, owned by Peter Spanos and occupied by M. Esmail and Quigley, Harrington & Co., loss \$19,731.36.

June 20th, 262 Mammoth Road, owned and occupied by Dr. C. B. Rhangos, loss \$4,769.00.

June 25th, 41 Tanner Street, owned by S. Kotzen et al, and occupied by Lowell Waste Paper Co., loss \$3,340.05.

June 30th, 38 First Street, owned by William T. Sheppard and occupied by N. F. Smith, loss \$5,898.75.

July 7th, 229 Stackpole Street, owned and occupied by H. J. Marck, loss \$6,155.80.

July 23rd, 47 Townsend Avenue, owned by Joseph Moses, vacant, loss \$1,300.00.

August 3rd, 133-7 Merrimack Street, owned by W. W. Drew and occupied by several, loss \$1,466.20.

August 5th, Warren Street, owned by Middlesex Co. and occupied by Gilet Carbonizing Company, loss \$1,819.09.

August 20th, 266 Mt. Vernon Street, owned and occupied by Otis Allen & Son, loss \$1,877.

August 26th, 6 rear 57 Cheever Street, owned by Michael M. Quealey, vacant, loss \$3,009.00.

September 26th, 62-70 Chestnut Street, owned by R. J. Milliken, vacant, loss \$1,400.00.

September 28th, 49 Rutland Street, owned and occupied Ida Rostler, loss \$1,531.14.

October 8th, 21-3 Stevens Street, owned and occupied by J. A. Neyman, loss \$3,318.25.

October 16th, Gorham and Elleworth Streets, owned and occupied by Matthews Memorial Church, loss \$2,906.00.

October 21st, 76-8 Tyler Street, owned by A. G. Anteblian and occupied by P. Stezlec, loss \$1,104.00.

October 28th, 397-403 Middlesex Street, owned by G. L. Huntoon and occupied by A. Kowaleski and H. Rosenberg, loss \$1,225.40

November 6th, 51 Cushing Street, owned and occupied by C. H. Hanson Company, loss \$11,396.95.

November 12th, 81-7 Rogers Street, owned and occupied by E. Cawley Estate, loss \$7,577.16.

November 12th, Pevey Street, owned and occupied by Pratt & Forrest Company, loss \$1,450.00.

November 19th, 71 Dover Street, owned and occupied by S. Barlofsky, loss \$1,028.68.

November 24th, 16-20 Merrimack Street, owned and occupied by D. L. Page Company, loss \$8,723.48.

November 28th, 638 Merrimack Street, owned and occupied by J. & H. Poirier, loss \$5,447.96.

December 3rd, 54 Marlborough Street, owned and occupied by J. & M. A. Lutender, loss \$4,240.00.

December 9th, 286-96 Central Street, owned by F. J. VanGreenberg and occupied by several, loss \$1,860.00.

December 16th, 182 Gorham Street, owned by R. A. DeArvilla and occupied by K. Barbadian, loss \$1,883.00.

December 25th, 70 Lawrence Street, owned and occupied by John Brady, loss \$1,700.00.

The loss on these fifty (50) fires was two hundred fourteen thousand, one hundred eighteen dollars and eighty-eight cents (\$214,118.88) leaving twenty-eight thousand, five hundred forty-six dollars and eighty-four cents (\$28,546.84) to be divided between the other one thousand and one (1001) alarms.

A comparison of the Total Number of Alarms and Losses from January, 1912 to January, 1928:

Year	Alarms	Ins. Loss	Unis. Loss	Total Loss
1912	959	\$260,833.26	\$ 9,575.99	\$270,409.25
1913	882	200,600.03	19,825.26	220,425.29
1914	1028	265,804.53	17,476.53	283,281.06
1915	926	170,262.53	12,127.67	182,390.20
1916	896	138,170.66	3,400.86	141,571.52
1917	1031	129,207.10	14,994.73	144,201.83
1918	1047	161,940.71	37,688.51	199,629.22
1919	942	211,681.50	20,461.42	232,142.92
1920	876	204,249.92	96,762.40	301,012.32
1921	1104	237,619.25	20,476.30	258,095.55
1922	1306	448,506.32	19,299.64	467,805.96
1923	1407	595,748.14	46,513.30	642,261.44
1924	1428	971,315.63	44,780.25	1,016,095.88
1925	1247	326,283.08	21,408.40	347,691.48
1926	1244	1,683,343.87	50,195.45	1,733,539.32
1927	1176	242,060.88	6,670.59	248,731.47

TOTAL NUMBER OF BUILDINGS IN THE CITY

Wooden buildings	20,960
Brick buildings	1,140
Cement buildings	686
Stone buildings	86
Wood and glass buildings	43
Steel buildings	33
Iron buildings	26
Wood buildings covered with metal	22
Kellastone buildings	58
Concrete buildings	8
Stucco buildings	10
Metal buildings	13
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Buildings of all descriptions	23,085
An increase during the past year of	251

NUMBER OF ALARMS OF FIRE EACH MONTH

January	75	August	53
February	49	September	51
March	137	October	75
April	248	November	77
May	62	December	81
June	87	Reported	125
July	56		
Total			1176

CAUSES OF FIRES AND ALARMS

Alarms for same fire	28	Gas stove	2
Automobiles	86	Gas stove set curtain	1
Boiler blowing off	1	Gasoline smoking	1
Bonfire	2	Grass	175
Boy on rocks	1	Grease on stove	4
Brush	34	Hot ashes	27
Burning old wire	1	Incendiary	1
Carelessness	5	Investigated	1
Careless use of matches	15	Lamp exploded	1
Chemicals	1	Lamp tipped over	1
Children and matches	16	Leaves in street	2
Chimney	90	Leaves in tree	1
Cigaret	27	Lighted candle	1
Cleaning with gasoline	6	Lightning	2
Coffee roaster	1	Locked out of house	1
Combustion	55	Motorcycle	2
Controller on electric car	1	No School	7
Damper closed on stove	1	Oil burner	1
Defective chimney	1	Oil heater	1
Defective electric fixtures	1	Oil stove	9
Defective pilot light	1	Oil stove leaking	1
Defective wires	1	Out of the City	5
Drying sand	1	Overheated boiler	5
Dump	188	Overheated chimney	8
Electric iron	3	Overheated fireplace	1
Electric motor	1	Overheated funnel	1
Electric wires	7	Overheated motor	1
Electric wires in tree	1	Overheated oil stove	1
Explosion	1	Overheated steam pipe	2
Exposure	13	Overheated stove	10
False alarms	24	Overheated stove pipe	5
Firecrackers	7	Overturnd lamp	1
Fumigating	1	Paint remover	1
Gas heater distilling water	1	Pan of meat	2

Paper in barrel	1	Sparks from plug	1
Paper in street	2	Sparks in chute	1
Plug on boiler blew out	1	Sparks set roof	16
Plumber's torch exploded	1	Steam escaping	2
Rats and matches	1	Stove pipe set rags	1
Rekindled	14	Stove pipe set woodwork	1
Reported	125	Stove smoking	5
Rescuing from river	3	Suspicious	1
Rubbish	10	Taking boy out of Concord	
Sawdust	1	River	1
Second alarm	5	Tar kettle boiled over	6
Set by boys	10	Thawing water pipes	1
Set from grass fire	3	Thermostat system out of order	7
Short circuit on gong wires ..	1	Third alarm	1
Smoke from picture machine	1	Torch set floor	1
Smoking set bed	8	Vapor from acid tank	1
Smoking set couch	1	Vigil light	2
Sparks from boiler	2	Vulcan heater	1
Sparks from chimney	2	Water leak	1
Sparks from electric bulbs....	1	Wax on stove	1
Sparks from furnace	1	Wires	1
Sparks from machine	1	Wires set tree	2

NUMBER OF ALARMS ANSWERED BY MEMBERS OF THE DEPARTMENT ON DAYS OFF

Capt. Joseph D'Amour	1	Michael J. Gildea	1
Capt. Charles F. Stackpole ..	2	John J. Hurley	1
Capt. John J. Wholey	2	Joseph W. Kearney	1
Lieut. Robert W. Broadbent ..	2	Joseph H. Lemire	1
Lieut. Martin F. McNally ..	1	Richard D. Marshall	1
Lieut. Michael J. O'Connor ..	1	Edward J. O'Donnell	1
James F. Armstrong	1	Joseph A. Ready	1
Wilfrid J. Bourdon	1	Joseph A. Sheehy	1
James E. Burns	1	Martin Slattery	1
Harry G. Cote	2	John M. Spillane	1
Joseph E. Fontaine	2	George T. Underwood	1

SERVICE OF THE DEPARTMENT FOR 1927

	Number of alarms attended	Number of hours worked	Feet of hose laid	Hours of hydrants in use	Number of extin- guishers used	Number of chemi- cal tanks used	Feet of ladders raised	Hours engines worked	No. of covers used
Engine No. 1	79	44½	2,850	10¼	37	12	51		
Engine No. 2	120	81	10,800	23¾	47	30	346	4¾	
Engine No. 3	96	43	7,650	19	3		50		
Engine No. 4	72	58	7,100	17¾	43	12	239		
Engine No. 5	95	92¾	23,800	58½	19	15	17	1½	
Engine No. 6	116	49¼	8,900	14¾	18	19	125	1½	
Engine No. 7	152	108¼	11,700	32¾	56	26	220	3½	
Engine No. 8	123	65¼	10,900	24¾	32	18	276		
Engine No. 9	66	67¼	7,750	24¼	55	6	34	2¾	
Engine No. 10	116	70½	10,050	21	70	15	175		
Hose No. 11	71	45	3,650	9	35	7	60		
Hose No. 12	176	211	38,150	128¾	37	5	34		
Hose No. 13	107	80½	33¼	33¼	38	16	147		
Hose No. 14	102	114½	8,950	69¾	19	15	42		
Truck No. 1	57	47½	21,350		27	3	1,572		
Truck No. 2	108	82¼			5	2	2,286		
Truck No. 3	103	57½					1,984		
Truck No. 4	98	47¾			3	2	1,497		
Protective	281	125¼			30	31	350		102
TOTAL	2,138	1,491	173,600	487	574	234	9,505	14	102

IN MEMORIAM

MICHAEL J. MISKELL

Patrolman

PROTECTIVE COMPANY No. 1

Appointed May 4, 1924

DIED

Injuries Received at Fire

January 30, 1927

JAMES W. ADAMS

Pensioner

Appointed August, 1874

Pensioned September 9, 1918

DIED

September 19, 1927

PATRICK H. O'LOUGHLIN

Pensioner

Appointed July, 1893

Pensioned February 17, 1925

DIED

May 18, 1927

FATALITIES

April 9th. Michael J. Sheedy, 34 Agawam Street, age six years. Playing with matches set clothing.

May 9th. Miss Margaret Riley, 34 Linden Street, age seventy years. Overcome by smoke and burned.

July 5th. Adrian Rivers, 82 New York Street, age fifty-six years. Overcome by smoke and burned.

In conclusion I wish to extend my thanks to His Honor, the Mayor and the City Council for the interest taken in matters pertaining to the Fire Department. I also wish to thank the officers and members of the Department for the ability, faithfulness and willingness shown in the performance of their duty. I wish to extend thanks to the Chief of Police and the members of the Police Department for the assistance rendered at fires.

Respectfully submitted,

EDWARD F. SAUNDERS,
Chief of Fire Department.

FIRE DEPARTMENT

JANUARY 1, 1928 .

Chief Engineer

EDWARD F. SAUNDERS, Office, Palmer St, Engine House
Residence, 24 Mt. Washington Street

Assistant Chiefs

James C. Sullivan 250 Rogers Street
Daniel H. Crowley 26 Marginal Street
Thomas F. Saunders 333 Princeton Street
Richard E. Burns 203 Westford Street

Chief's Chauffeurs

Frank J. Geary 16 Olive Street
John W. Gray 35 Morey Street

Fire Alarm Operators

Thomas F. Conway 128 Pleasant Street
Arthur C. King, Lineman 205 Stackpole Street
William C. Martin, Lineman 14 Marsh Street
Frederick H. Britton, Lineman 47 Lundberg Street

Telephone Operators

Harry B. Sanders 20 Manahan Street
Wilbur H. Oke 175 Westford Street
W. Henry Kirkpatrick 35 London Street

Drill Master

John F. Ambrose 212 Princeton Street

Repair Department

Harold L. Foster 624 Stevens Street
Herman R. Morrison 17 Holden Street

Clerk

Bertha J. Marrow 1039 Middlesex Street

LIST OF MEMBERS, GIVING RANK AND RESIDENCE BY COMPANIES

ENGINE COMPANY No. 1 795 Gorham Street

Thomas W. Collins, Captain, Badge No. 11	50 A St.
Philip F. Mooney, Lieutenant, Badge No. 10	203 Moore St.
James O'Hare, Hoseman, Badge No. 13	27 Ellsworth St.
Manuel P. Correa, Hoseman, Badge No. 14	20 Summer St.
John P. Moore, Hoseman, Badge No. 19	31 Otis St.
George W. Mulvey, Hoseman, Badge No. 1	780 Gorham St.
Jay D. Ismond, Engineer, Badge No. 15	14 Fleming St.
David Laferriere, Hoseman, Badge No. 12	100 W. Meadow Rd.
William J. Ryan, Hoseman, Badge No. 16	11 Pihl St.
Joseph E. McGaun, Hoseman, Badge No. 18,	37 Cosgrove St.

ENGINE COMPANY No. 2 45 Branch Street

John J. Wholey, Captain, Badge No. 2	583 Stevens St.
William E. Gorman, Lieutenant, Badge No. 222	65½ Andrews St.
Frank Broadbent, Hoseman, Badge No. 27	119 Branch St.
George A. Cummings, Hoseman, Badge No. 24	11 Third Ave.
James T. Kirane, Hoseman, Badge No. 81	26 Kinsman St.
Joseph H. Lemire, Hoseman, Badge No. 23	41 W. Forrest St.
William J. Corbett, Hoseman, Badge No. 21	167 Sayles St.
Harry G. Coté, Hoseman, Badge No. 22	14 Dodge St.
Joseph A. Couilliard, Hoseman, Badge No. 29	121 Willie St.
John P. Mealey, Hoseman, Badge No. 25	104 Mt. Washington St.

ENGINE COMPANY No. 3

Palmer Corner Middle Street

Elbridge H. Dearth, Captain, Badge No. 31 64 So. Loring St.
Forest E. Alcott, Lieutenant, Badge No. 30 38 Grace St.
Hugh V. Green, Hoseman, Badge No. 35 19 Bunker Hill St.
Paul A. Johnston, Hoseman, Badge No. 38, 397 Broadway St.
John J. Mulligan, Hoseman, Badge No. 37 400 Concord St.
Francis P. McGovern, Hoseman, Badge No. 34
43 Riverside Ave.
Ralph A. Dodge, Hoseman, Badge No. 32 22 Belle Ave.
Joseph W. Kearney, Hoseman, Badge No. 177
278 East Merrimack St.
John P. Gillis, Hoseman, Badge No. 174 261 Third St.
Walter T. Powers, Hoseman, Badge No. 33 127 Pine St.

ENGINE COMPANY No. 4

High Street

George H. McDermott, Captain, Badge No. 4 221 White St.
Alfred E. Prescott, Lieutenant, Badge No. 42, 565 Wilder St.
James T. Doyle, Hoseman, Badge No. 49 583 Central St.
Michael E. Egan, Hoseman, Badge No. 48, 113 Pleasant St.
William T. Dolan, Hoseman, Badge No. 43 Engine House
Francis J. Sullivan, Hoseman, Badge No. 44, 256 Concord St.
Milan E. Burgess, Hoseman, Badge No. 40 1102 Lawrence St.
John C. Alexander, Hoseman, Badge No. 45 203 Moore St.
Joseph H. Sexton, Hoseman, Badge No. 41 99 Foster St.
Patrick J. Mooney, Hoseman, Badge No. 46
207 Mammoth Road

ENGINE COMPANY No. 5

29 Fourth Street

James J. McCafferty, Captain, Badge No. 55 74 Fourth St.

Philip J. Connor, Lieutenant, Badge No. 53 506 Gorham St.

Alonzo E. Kidder, Hoseman, Badge No. 5 28 Mort Ave.

Edson S. Barnes, Hoseman, Badge No. 50 68 Beacon St.

Archibald E. Kenefick, Hoseman, Badge No.58

967 Middlesex St.

Frank E. Turner, Hoseman, Badge No. 54 15 Ware St.

Leo B. Tansey, Hoseman, Badge No. 57

588 East Merrimack St.

Warren White, Hoseman, Badge No. 51 12 Lawson St.

James L. Tully, Hoseman, Badge No. 52 203 Columbia Rd.

William F. Callahan, Hoseman, Badge No. 56, 408 Stevens St.

ENGINE COMPANY No. 6

Fletcher' Street

Joseph L. Crowe, Captain, Badge No. 68 15 Genest Ave.

James A. Haley, Lieutenant, Badge No. 61 15 Courtland St.

John F. Thomas, Hoseman, Badge No. 62 59 Fourth Ave.

Edgar Perham, Hoseman, Badge No. 69 55 Arlington St.

Samuel R. Pendexter, Hoseman, Badge No. 60

22 West Bowers St.

Thomas F. Maguire, Hoseman, Badge No. 63, 6 Arlington St.

Paul A. Healy, Hoseman, Badge No. 67 412 Gorham St.

Edward J. O'Donnell, Hoseman, Badge No. 64

482 Fletcher St.

Joseph A. Sheehy, Hoseman, Badge No. 6 806 Broadway

Francis J. O'Laughlin, Hoseman, Badge No. 65, 45 Cosgrove St.

ENGINE COMPANY No. 7

Pine and Stevens Street

James A. Shea, Captain, Badge No. 7 19 Prospect St.
Michael J. O'Connor, Lieutenant, Badge No. 70 590 Pine St.
William G. Chain, Hoseman, Badge No. 79, 40 Livingston Ave.
Ludger O. Lamontagne, Hoseman, Badge No. 78, 55 4th Ave.
James F. Armstrong, Hoseman, Badge No. 134, 63 Oakland St.
Frank A. Kappler, Hoseman, Badge No. 75 125 London St.
Thomas Corrigan, Hoseman, Badge No. 74 40 Crosby St.
Charles J. Lorigan, Hoseman, Badge No. 76, 23 Houghton St.
Herbert W. Hilliard, Hoseman, Badge No. 71, 456 Wilder St.
John J. Leonard, Hoseman, Badge No. 72, 38 Marshall Ave.

ENGINE COMPANY No. 8

Merrimack and Race Streets

Charles F. Stackpole, Captain, Badge No. 82 25 Grace St.
William F. Christie, Lieutenant, Badge No. 85, 58 Main St.
Joseph H. Rogers, Hoseman, Badge No. 89 11 Read St.
William F. McNiff, Hoseman, Badge No. 80, 450 Rogers St.
Thomas F. Rafferty, Hoseman, Badge No. 84 85 Branch St.
Albert X. Hamel, Hoseman, Badge No. 88, 467 Merrimack St.
Thomas F. Sullivan, Hoseman, Badge No. 86 64 Boylston St.
James F. Nelligan, Hoseman, Badge No. 8, 175 Highland Ave.
Harry E. Nudd, Hoseman, Badge No. 87 91 Exeter St.
Joseph E. Hartley, Hoseman, Badge No. 83 15 Floyd St.

ENGINE COMPANY No. 9

Rogers and Fairmount Streets

J. Edward Burns, Captain, Badge No. 9 39 Whitehead Ave.
George W. Alcott, Lieutenant, Badge No. 92, 61 Bellevue St.
James H. Lannon, Hoseman, Badge No. 93, 819 Lawrence St.
George W. Nickerson, Hoseman, Badge No. 91

178 Mammoth Road

John H. Quinn, Hoseman, Badge No. 97 247 High St.
Hugh F. Finnerty, Hoseman, Badge No. 94, 175 Pleasant St.
Hugh A. McLaughlin, Hoseman, Badge No. 96, 367 High St.
George E. Schofield, Hoseman, Badge No. 90, 55 Belrose Ave.
James H. Tracy, Hoseman, Badge No. 95 147 Concord St.
William J. Heelon, Hoseman, Badge No. 216, 12 Jennings Pl.

ENGINE COMPANY No. 10

Mammoth Road

George F. Flint, Captain, Badge No. 160, 63 Woodward Ave.
Willis S. Holt, Lieutenant, Badge No. 162 125 Foster St.
John J. McManmon, Hoseman, Badge No. 166

23 Woodward Ave.

Bartholomew J. Mullen, Hoseman, Badge No. 165

33 Ellis Ave.

Cornelius J. Brosnan, Hoseman, Badge No. 163, 20 Genest Ave.
George J. Tracy, Hoseman, Badge No. 161, 60 Third Ave.
Thomas M. Whitehead, Hoseman, Badge No. 167

40 Fifth Ave.

Frank E. Murphy, Hoseman, Badge No. 98 8 Frye St.
George A. Crawford, Hoseman, Badge No. 169, 188 Pine St.
Cyrille J. Morin, Hoseman, Badge No. 178, 95 Pawtucket St.

HOSE COMPANY No. 11

Lawrence, Corner So. Whipple Street

William A. Dolan, Captain, Badge No. 200, 56 Crowley St.
Edward Jennings, Lieutenant, Badge No. 201

859 Lawrence St.

Edward A. Farrell, Hoseman, Badge No. 202, 12 Burns St.

John D. Finnegan, Hoseman, Badge No. 203

732 Lawrence St.

William F. Egan, Hoseman, Badge No. 206, 69 Lilley Ave.

Peter B. Gray, Hoseman, Badge No. 207 71 Whipple St.

Walter E. McNally, Hoseman, Badge No. 205, 27 Rhodora St.

George T. Underwood, Hoseman, Badge No. 204, 30 Bourne St.

HOSE COMPANY No. 12

West Sixth Street

Charles E. Abare, Captain, Badge No. 220 51 Fifth St.

Lewis P. Reed, Lieutenant, Badge No. 221, 874 Lakeview Ave.

Joseph Bernier, Hoseman, Badge No. 225, 363 West Sixth St.

Edward Landry, Hoseman, Badge No. 226, 40 Endicott St.

Peter J. Deschene, Hoseman, Badge No. 227, 53 Fourth Ave.

Napoleon A. Primeau, Hoseman, Badge No. 224

929 Lakeview Ave.

Peter J. Regan, Hoseman, Badge No. 228, 20 Boylston St.

John C. O'Neil, Hoseman, Badge No. 229, 20 Sixth Ave.

HOSE COMPANY No. 13

490 Central Street

Patrick F. Mahoney, Captain, Badge No. 130 31 Merrill St.

Thomas H. Welch, Lieutenant, Badge No. 131, 93 Chapel St.

Bernard F. Connors, Hoseman, Badge No. 137, 70 Willie St.

John J. Rinehardt, Hoseman, Badge No. 136 57 Blodgett St.

Henry D. Carpentier, Hoseman, Badge No. 135

30 West Meadow Road

William T. Caveney, Hoseman, Badge No. 133 34 Jacques St.

C. Herbert Cogswell, Hoseman, Badge No. 138

51 Homestead Road

Thomas J. Burke, Hoseman, Badge No. 3 41 C St.

HOSE COMPANY No. 14

Lincoln Street

Orison A. Knapp, Captain, Badge No. 140, 47 Hawthorn St.
George H. Chapman, Lieutenant, Badge No. 141, 53 Quebec St.
Charles A. Rock, Hoseman, Badge No. 144, 673 Chelmsford St.
Edward F. Sullivan, Hoseman, Badge No. 149, 99 Andrews St.
James P. McCready, Hoseman, Badge No. 145

150 Mt. Vernon St.

John N. Emerson, Hoseman, Badge No. 147, 28 Maple St.
William J. Lane, Hoseman, Badge No. 146, 505 Central St.
Thomas P. McColough, Hoseman, Badge No. 148,

174 Crosby St.

TRUCK COMPANY No. 1

Lawrence Street

Gilman S. Alcott, Captain, Badge No. 210, 1194 Middlesex St.
Martin F. McNally, Lieutenant, Badge No. 214

55 So. Whipple St.

Thomas J. Gillick, Ladderman, Badge No. 213

47 South Walker St.

William J. Graham, Ladderman, Badge No. 218, 223 Perry St.

John J. Lowney, Ladderman, Badge No. 215, 361 Lincoln St.

John J. Donohoe, Ladderman, Badge No. 211, 76 Agawam St.

Michael J. Gildea, Ladderman, Badge No. 219

17 West Forest St.

Martin Slattery, Ladderman, Badge No. 212, 114 Agawam St.

Ray N. Symonds, Ladderman, Badge No. 105, 31 June St.

Edward T. Gilfillan, Ladderman, Badge No. 217

86 West Sixth St.

TRUCK COMPANY No. 2

45 Branch Street

Daniel W. Hilliard, Captain, Badge No. 121, 20 Osgood St.

Robert W. Broadbent, Lieutenant, Badge No. 120

11 Fourth Ave.

Clarence E. Gillis, Ladderman, Badge No. 122

22 East Sixth St.

Frederick V. Fahey, Ladderman, Badge No. 129

65 Tolman Ave.

Peter J. O'Rourke, Ladderman, Badge No. 128, 23 Chase Ave.

Joseph A. Ready, Ladderman, Badge No. 125, 16 Bryant St.

James E. Burns, Ladderman, Badge No. 127 57 Martin St.

Michael H. Creegan, Ladderman, Badge No. 123, 31 Morey St.

Wilfrid J. Bourdon, Ladderman, Badge No. 126

197 School St.

George A. Collins, Ladderman, Badge No. 121

59 Hawthorn St.

TRUCK COMPANY No. 3

Palmer Street

Joseph M. G. Burns, Captain, Badge No. 150

169 Merrimack St.

Edward A. Walsh, Lieutenant, Badge No. 151, 103 School St.

Daniel F. O'Connor, Ladderman, Badge No. 119, 87 Howard St.

John J. Hurley, Ladderman, Badge No. 113, 216 Thorndike St.

William J. Killoy, Ladderman, Badge No. 114,

31 Mount Vernon St.

James H. Hogan, Ladderman, Badge No. 157

181 Wenworth Ave.

John J. Moran, Ladderman, Badge No. 118, 23 Bowden St.

Harry T. Welch, Ladderman, Badge No. 112, 93 Chapel St.

Francis J. Donnelly, Ladderman, Badge No. 116, 76 Elm St.

Francis J. Kelleher, Ladderman, Badge No. 158, 11 Sidney St.

John M. Spillane, Ladderman, Badge No. 152, 36 Putnam Ave.

Robert Carland, Ladderman, Badge No. 111, 112 Sixth St.

TRUCK COMPANY No. 4

West Sixth Street

Joseph D'Amour, Captain, Badge No. 100, 24 Fisher St.
George J. Hurley, Lieutenant, Badge No. 110, 24 Reed St.
John J. McCarthy, Ladderman, Badge No. 101, 150 Fourth Av.
Joseph E. Fontaine, Ladderman, Badge No. 109
17 Lafayette St.
Edward F. Farrell, Ladderman, Badge No. 107, 12 Third Ave.
Gilbert G. Fezette, Ladderman, Badge No. 102, 51 Brookings St.
Edward J. Tighe, Ladderman, Badge No. 106, 31 Waterford St.
John C. Drescher, Ladderman, Badge No. 108, 398 Broadway St.
Daniel F. Murphy, Ladderman, Badge No. 104, 80 Anderson St.
Stephen J. Callahan, Ladderman, Badge No. 209, 29 Mead St.

PROTECTIVE COMPANY No. 1

Palmer Corner Middle Street

George A. Campbell, Captain, Badge No. 170, 640 Andover St.
Joseph J. Malone, Lieutenant, Badge No. 171, 427 Lincoln St.
Napoleon Grandchamp, Patrolman, Badge No. 173,
1219 Middlesex St.
Herman F. Grantz, Patrolman, Badge No. 179, 30 Devine Ave.
Andrew B. McLaughlin, Patrolman, Badge No. 143
104 Corey St.
Berry M. Simpson, Patrolman, Badge No. 175, 76 June St.
William F. Riley, Patrolman, Badge No. 176, 41 West St.
Philip O. Desmarais, Patrolman, Badge No. 26, 183 Eleventh st.
Rosario LeBlue, Patrolman, Badge No. 151, 40 Bunker Hill Av
John J. Harley, Patrolman, Badge No. 139, 76 W. Forrest St.
Joseph R. Willis, Patrolman, Badge No. 115, 543 Rogers St.
Harry Young, Patrolman, Badge No. 77, 733 Central St.
Michael T. McCann, Patrolman, Badge No. 17, 16 Forrest St.
Stanley Urbanek, Patrolman, Badge No. 141, 151 Coburn St.
Edmond A. Gendreau, Patrolman, Badge No. 154, 143 Aiken St.
Joseph H. Warren, Patrolman, Badge No. 39, 598 Gorham St.
Richard D. Marshall, Patrolman, Badge No. 156, 23 Apple St.
George A. McCarthy, Patrolman, Badge No. 153
104 Washington St.
John J. Miskell, Patrolman, Badge No. 155, 98 Cosgrove St.
John J. Kane, Patrolman, Badge No. 168, 42 Chapel St.

FIRE ALARM TELEGRAPH

LOCATION — PALMER STREET ENGINE HOUSE

Thomas F. Conway, Operator

Arthur E. King, Lineman

William C. Martin, Lineman

Frederick H. Britton, Lineman

Ten-Circuit Automatic Repeater with Storage	
Battery of	600 cups
Miles of wire	213
Signal Boxes	179
Engineers' Gongs	10
Engine House Gongs	16
Indicators	17
Tape Register	1
Bell Strikers	14

Gong and Indicator at Police Station.

Gong in Pumping Station.

Gong on Kearney Square.

Gong on Tower's Corner.

Gong on Northern Depot.

Gong Corner Moody and Aiken Streets.

Gong Corner Bridge and First Streets.

Gong Corner Andover and Fayette Streets.

The strikers are located as follows: Palmer Street Engine House, Varnum School House, High Street Church, Court House, No. 1 Engine House, No. 6 Engine House, Highland School House, Pawtucketville Engine House, Franklin School House, Lawrence Street Engine House, Cornell Street School House, West Sixth Engine House, Sycamore Street School House, Weed Street School House.

TWENTY-FIFTH
ANNUAL REPORT
of the Board of
PARK COMMISSIONERS
of the
City of Lowell



FOR THE YEAR ENDING DECEMBER 31,

1927

SHAW STOCKING PRESS
Lowell, Mass.

Department of Public Parks

COMMISSIONERS' REPORT

To His Honor the Mayor and the City Council of the City of Lowell,
Massachusetts.

As required by Chapter 45, Section 9, of the General Laws of Massachusetts, entitled "Public Parks, Playgrounds and the Public Domain", the Board of Park Commissioners of the City of Lowell has the honor to submit their annual report.

CLARENCE M. WEED,

Chairman.

Board of Park Commissioners

Lowell, Mass., February 9, 1928.

At a meeting of the Board of Park Commissioners held on this date, it was voted to adopt the report of the Superintendent of Parks for 1927 as the report of the Board of Park Commissioners for that year and to authorize the printing of the report.

In accordance with this vote the report is herewith submitted.

CLARENCE M. WEED,
Chairman,
Board of Park Commissioners.

Board of Park Commissioners

1927

ROBERT F. MARDEN, 1926-1931,
HARVEY B. GREENE, 1925-1930,
DANIEL D. O'DEA, 1926-1929,
CLARENCE M. WEED, 1923-1928,
CHARLES D. SLATTERY, 1927-1932.

COMMITTEES

Parks: MR. GREENE, MR. MARDEN, MR. WEED.
Playgrounds: MR. MARDEN, MR. GREENE, MR. WEED.
Trees: MR. SLATTERY, MR. O'DEA, MR. GREENE.
Legislation: MR. SLATTERY, MR. O'DEA, MR. MARDEN.

OFFICERS

Chairman

CLARENCE M. WEED

Secretary

JOHN W. KERNAN

Superintendent of Parks and Playgrounds

JOHN WOODBURY KERNAN



WINTER SCENE AT FORT HILL PARK

Financial Report

1927

PARKS — GENERAL

Appropriation	Labor	\$50,000.00
Transferred from Expense and Supplies to	Labor	3,000.00
Credits for the year 1927 to	Labor	5,579.98
		<hr/>
Total Amount for Labor		\$58,579.98
Appropriation	Expense and Supplies	\$23,000.00
Transferred to Labor Appropriation		3,000.00
		<hr/>
		\$20,000.00
Credits for the year 1927 to	Expense and Supplies	31.17
		<hr/>
Total Amount for Expense and Supplies		\$20,031.17
		<hr/>
Total Amount for Labor and Expense and Supplies		\$78,611.15
Expended for Labor	\$58,554.38	
Expended for Expense and Supplies	\$20,031.06	
		<hr/>
		\$78,585.44
		<hr/>
Balance		\$ 25.71

SPECIAL APPROPRIATIONS

Appropriation for Anne Street Parkway

Balance 1927.....	\$	709.04
Expended by Engineering Dept. by authority of City Auditor.....	\$	709.04
		<hr/>
Balance.....	\$	0.00

Appropriation for Acquiring Land at Centralville Playfield, Bridge Street

Balance 1927	\$ 277.06
Set aside account of Appro. for Acquiring Land at Centralville Playfield, Bridge Street	\$ 277.06
	<hr/>
Balance	\$ 0.00

Morey Street Playground Appropriation

Balance 1927	\$ 4,674.26
Expended account of acquiring land	2,251.15
	<hr/>
	\$ 2,423.11
Set aside acct. Morey Street Playground Appro.	\$ 2,423.11
	<hr/>
Balance	\$ 0.00

Appropriation for Acquiring Land at John J. O'Donnell Playfield

Balance 1927	\$ 41.08
Set aside acct. Appro. for Acquiring Land at John J. O'Donnell Playfield	\$ 41.08
	<hr/>
Balance	\$ 0.00

Riverside Street Park Loan

Balance 1927	\$ 4,487.68
Set aside acct. of Acquiring Land Riverside Street	4,487.68
	<hr/>
Balance	\$ 0.00

Shedd Playground Appropriation

Balance 1927	\$15,609.61
Expended Acct. Development of Shedd Playground....	15,557.26
	<hr/>
	\$ 52.35
Set aside acct. Development of Shedd Playground.....	\$ 52.35
	<hr/>
Balance	\$ 0.00

Appropriation for Acquiring Land at Washington Playground

Balance 1927	\$ 1,096.33
Set aside acct. of Acquiring Land at Washington Play- ground.....	\$ 1,096.33
	<hr/>
Balance	\$ 0.00

Appropriation for Acquiring Land at Ayer Field, Woodward Avenue

Balance 1927	\$ 54.30
Set aside acct. Appro. for Acquiring Land at Ayer Field, Woodward Avenue	\$ 54.30
	<hr/>
Balance	\$ 0.00

PARKS AND PLAYGROUNDS — 1927

<i>Name</i>	<i>Maintenance</i>	<i>Material</i>	<i>Improvements</i>	<i>Total</i>
Christmas Tree Exercises.....		\$ 214.75		\$ 214.75
Moving Pictures.....	\$ 192.00	498.65		690.65
Auto, Trucks and Tractor.....		1,151.33		1,151.33
Bath House.....	1,817.46	672.41		2,489.87
Bridgehead—Northern Canal.....		5.00		5.00
Butman Square.....	18.20			18.20
Cardinal O'Connell Parkway.....	101.90	62.50		164.40
City Hall and Memorial Grounds.....	316.15	15.00		331.15
Coburn Square.....	62.80			62.80
Comfort Station—North Common.....	1,857.05	61.59		1,918.64
Comfort Station—South Common.....	1,890.65	87.43		1,978.08
John T. Durkin Playground.....	124.35	21.50		145.85
Ferry Landing Parkway.....	97.10			97.10
First Street Oval.....	449.60	94.30	1,117.15	1,661.05
Franklin Square.....	49.20			49.20
Harris Oval.....	41.20			41.20
Highland Playground.....	1,217.90	16.05	72.33	1,306.28
Paul T. Kittredge Park.....	233.15	2.00		235.15
Lucy Larcom Park.....	130.85	6.50		137.35
Mann Square.....	24.75			24.75
Mansur Square.....	38.60			38.60
Frank McPherson Playstead.....		47.12	6,595.14	6,642.26

Monument Square.....	61.80		61.80
Morey School Playground.....	108.60		108.60
Mt. Vernon Park.....	123.50		123.50
North Common.....	2,051.75	149.45	2,201.20
John J. O'Donnell Playground.....	285.65	89.10	374.75
Parker-Spalding Park.....	3.25		3.25
Pawtucket Memorial Riverbank Parkway.....	85.80	36.20	122.00
Pawtucketville Playground.....			242.39
Penniman Square.....	79.10		7,861.74
Raven Road Parkway.....	61.75		79.10
Riverside Square.....	12.35		61.75
Rogers Fort Hill Park.....	8,870.75	1,419.24	12.35
Shedd Playground.....	3,763.85	720.24	10,289.99
South Common.....	4,456.75	376.86	15,815.10
Tyler Park.....	378.90		4,833.61
Wannalancit Park.....	244.85		378.90
Washington Playground.....	142.80		362.85
Water Works Square.....	25.35		1,403.96
Office.....	5,825.83	318.32	25.35
Trees.....	3,194.20	48.50	6,144.15
Playgrounds.....	4,667.65	650.62	3,242.70
Stable.....	10.80	103.67	5,318.27
			114.47
Totals.....	\$43,118.19	\$6,986.33	\$28,480.92
			\$78,585.44

Park Areas and Their Valuation—1927

<i>Location</i>	<i>Area</i>		<i>Present Value</i>
Boulevard Park.....	6.031	Acres	\$5,255.
Bridgehead.....	0.911	"	6,620.
Butman Square.....	0.01	"	50.
Cardinal O'Connell Parkway.....	0.114	"	25,844.
Chambers Street Playground.....	1.2681	"	7,000.
City Hall and Memorial Grounds....	0.50	"	65,700.
Coburn Square.....	0.252	"	1,000.
Concord Riverbank.....	2.641	"	3,500.
Ferry Landing Parkway.....	0.6953	"	39,698.
First Street Oval.....	12.2757	"	36,251.
Frank McPherson Playstead.....	10.1129	"	47,759.
Franklin Square.....	0.058	"	1,500.
Glacial Oval.....			100.
Hadley Square.....	0.034	"	200.
Harris Oval.....	0.12	"	366.
Highland Playfield.....	5.5498	"	54,080.
Hillside Square.....	0.061	"	80.
Hutchinson Square.....	0.037	"	150.
John T. Durkin Playground.....	1.525	"	6,039.
John J. O'Donnell Playfield.....	14.1448	"	53,305.
Lincoln Square.....	0.016	"	200.
Lucy Larcom Park.....	1,1401	"	49,970.
Mansur Square.....	0.05	"	150.
Monument Square.....	0.092	"	15,000.
Morey School Playground.....	1.2052	"	7,577.
Mt. Vernon Park.....	0.50	"	4,350.
North Common.....	11.39	"	100,769.
Parker-Spalding Park.....	0.043	"	60.
Paul T. Kittredge Park.....	1.77	"	20,000.
Pawtucket Memorial Riverbank.....	5.167	"	21,188.
Pawtucketville Playfield.....	4.5932	"	35,774.
Penniman Square.....	0.051	"	450.
Princeton Square.....	0.028	"	150.
Raven Road Parkway.....	0.083	"	180.

<i>Location</i>	<i>Area</i>		<i>Present Value</i>
Richmond Avenue Playground.....	0.7048	"	4,248.
Riverside Square.....	0.105	"	184.
Rogers Fort Hill Park.....	34.40	"	150,000.
Rogers Street Bank.....	0.012	"	622.
Shedd Playground.....	56.00	"	154,773.
South Common.....	22.48	"	206,927.
South Lowell Playground.....	5.1301	"	5,259.
Thomas F. Mann Square.....	0.0825	"	1,639.
Tyler Park.....	1.81	"	8,000.
Wannalancit Park.....	1,017	"	11,410.
Water Works Square.....	0.047	"	500.
Washington Playground.....	2.894	"	46,627.
Wyman Park.....	5.22	"	32,088.
<hr/>			
Total.....	212.3715 Acres		\$1,232,592.



TOBOGGAN SLIDE AT FORT HILL PARK

Superintendent's Report

Lowell, Mass., January 31, 1928.

To the Board of Park Commissioners,

Gentlemen:

I herewith respectfully submit my annual report of the work done under your direction in the Park System during the year ending December 31, 1927.

The demand for opportunity to use our parks and recreational facilities is increasing annually and this past year has seen us flooded with applications for permits for baseball, football and tennis games. The extended use of our park and playground areas has necessitated our keeping a large force of men busy in the general maintenance work, such as keeping grounds in reasonably good condition and in cleaning up litter after their use. This work, although absolutely necessary, does not show any betterment to our Parks and Playgrounds, hence, a great many people lose sight of the considerable maintenance expenditures made necessary to keep them in good physical condition.

In addition to our ordinary maintenance work, notwithstanding a reduction of some \$19,000.00 from our 1926 expenditures, we have been able to do considerable development work of a permanent nature in our Parks and Playgrounds, chiefly at Frank McPherson Playstead, First Street Oval, Pawtucketville Playfield, Shedd Playground and Washington Playground.

At Frank McPherson Playstead, at Bridge and Richardson Streets, we have done considerable additional grading, painted the wooden bleachers which were erected last year, erected a guard rail fence along Bridge Street, installed a 72-foot Oregon Pine Flag Pole, and constructed four additional Tennis Courts of Rock Asphalt, with the necessary wire backstops. The construction of these tennis courts with rock asphalt will permit of playing

earlier in the spring and later in the fall than would otherwise be possible with courts constructed of clay. Painting white lines on the rock asphalt eliminates the necessity of purchasing cloth tapes two and three times a year. In addition, the rock asphalt courts dispense with considerable maintenance work, such as watering, raking, and rolling the courts daily as is necessary with clay courts. Frank McPherson Playstead was formally dedicated September 18, 1927, with a parade to the Playstead where dedicatory exercises were held in honor of the World War Hero in whose memory the playstead was named. The Centralville East End Club, among whom Frank McPherson grew up, was largely instrumental in arranging the exercises, and much credit is due those who arranged the program in such a splendid manner.

At the First Street Oval two tennis courts which had originally been constructed with clay surfaces were reconstructed with rock asphalt surfaces. This change will give a splendid playing surface at all times and will eliminate considerable cost of maintenance.

At Pawtucketville Playfield, Mammoth Road at Woodward Avenue, considerable rough grading was done during the past year. A large ravine which extended across the easterly side of this playfield was filled during the year, necessitating the hauling and placing of 6560 cubic yards of filling. It was found necessary to construct a surface drain through this playstead parallel with Ellis Avenue, in order to provide suitable drainage, and eliminate the possibility of damaging abutting property. This we did late in the fall.

It is our hope to be able to construct two tennis courts and install a fair baseball diamond on this playfield during the coming season, together with spreading of loam over some of the graded area, providing our funds will permit.

During the past year a final settlement was reached with the contractor and landscape architect on the Shedd Playground Development work. In the late fall the Department did considerable grading around the wading pool and in the area around the Field House, along the Rogers Street side of the oval, also in front



CHILDREN'S SKATING RINK AT FIRST STREET OVAL

of the Outdoor Theatre, and the roadway leading from the Freeman B. Shedd Memorial Entrance to the Field House. Drains and catch basins were also built. Over 600 cubic yards of loam were delivered and placed in small piles over this area and will be ready for spreading and sowing to grass when the spring season arrives, and with a few months work will make a much desired change in the front of this Playground. Walks and drives are yet to be built, as it was not considered feasible to build them until after the Field House was completed.

Our Field House has been open during the entire season and has provided a great convenience for those engaged in athletic activities of various sorts, also a place of rest for those who seek its shelter on hot days or during sudden rain storms.

Because of alleged complaints it became necessary to abandon flooding of Washington Playground for skating during the winter months, which action we regret very keenly, as it had always proved a place where children living in this neighborhood could go and skate in perfect safety. As this section of the city is one that is thickly populated, especially with little children, and also because of dangerous conditions in Middlesex Street on account of heavy traffic, the skating area proved a boon to all the children of the neighborhood, and their parents felt relieved to know that they were skating at Washington Playground. We regraded the northeasterly end of the playground, installing a catch basin and connected same with sewer, thereby taking care of the surface water on the Playground. Because the earth embankment on the northerly side of the Playground had begun to fall on the property of the abutter we were compelled to remove same at considerable expense. This was done during midsummer.

A petition was presented by the members of the C. M. A. C., and others interested in the project, requesting that the Board of Park Commissioners purchase Aiken Street Playground, so-called, for playground purposes. Hearings were held and after due consideration, the Board finally decided to lease this plot of ground for playground purposes for a period of ten years at an annual rental charge of \$1.00, with the option of purchasing same at the end of ten years, if they then desired to do so.

A plot of ground, comprising approximately 12 acres, located in Aiken Avenue and Hildreth Street, was bequeathed to the City of Lowell by George H. Hovey, late of Chicago, Ill., but formerly of Lowell, for playground purposes. The will of the late Mr. Hovey provides that this area shall be known as Hovey-Wood Park, in memory of his ancestors. There is a further provision in his will that the sum of \$5,000.00 be also bequeathed to the City of Lowell for the purpose of purchasing land which was formerly a part of the original tract. The acceptance of the bequest was made by the City Council on October 18, 1927, which was one of the stipulations in the provisions of the will.

PAWTUCKETVILLE MEMORIAL

During the past several years the people of the Pawtucketville Section of the city have been desirous of placing a Memorial to the soldiers from that section who laid down their lives for their country during the World War, on land under the custody of the Board of Park Commissioners in their locality. This Memorial is to be erected with money obtained by public subscription of the people in the Pawtucketville District.

Several meetings were held by the Board of Park Commissioners with the Pawtucketville Memorial Committee, together with John Nolen, Landscape Architect, who designed the Development Plan of Pawtucket Memorial Riverbank Parkway. A definite location was finally selected for the Memorial, and work was started by Daniel H. Walker, a local contractor, early in December. The laying of the corner stone was held on Sunday Afternoon, December 11, 1927, at which His Honor the Mayor, and other prominent citizens, addressed the large audience present.

TREES

One tree gang was kept busy during the entire year and another was necessary during the summer on account of heavy foliage. Complaints were received that the foliage was tending to keep



PATRONS AT PUBLIC BATH HOUSE, MERRIMACK RIVER

houses damp and not allowing sunshine and fresh air to even reach the windows of many homes. A large number of our trees are decaying annually and it requires continual watchfulness lest these trees blow over in wind storms and cause damage. During the year ninety-eight trees were cut down on account of their decayed condition, street improvements, garage entrances, etc. We removed dead limbs from one hundred sixty trees that were found to be defective and which were an element of danger during wind storms. One hundred twenty-eight trees were trimmed on account of low branches which caused sidewalks and roads to become dangerous to traffic, and four limbs were wired up that were in danger of splitting.

The policy of the Board of Park Commissioners has been to set out new trees in the residential sections of the city each year. Accordingly, we planted young trees the entire length of some six different streets. One street was selected for this work in each section of the city, that was practically barren of foliage of any kind. Planting of young trees in other locations was done where the property owners applied for same, and assumed the cost. It is our hope that property owners generally will see the great advantage which is gained by the presence of beautiful trees in the vicinity of their homes, and will take a greater interest in thus beautifying our city.

PLAYGROUNDS AND RECREATION

During the last two decades there has been a tremendous awakening to the value of play as a great force in the life of the individual and of the community as a whole. Play has become recognized not only as an essential to the life and growth of the child, but as necessary to the well-being of the adult, helping him, through its relaxing influences, to throw off the fatigue and strain of the daily work. Playgrounds have done a great deal in occupying the leisure time of the youths in a wholesome manner. It is in the hours of leisure misspent that crime and delinquency flourish. Playgrounds and recreation centers are preventatives of delinquency, and training schools for citizenship.

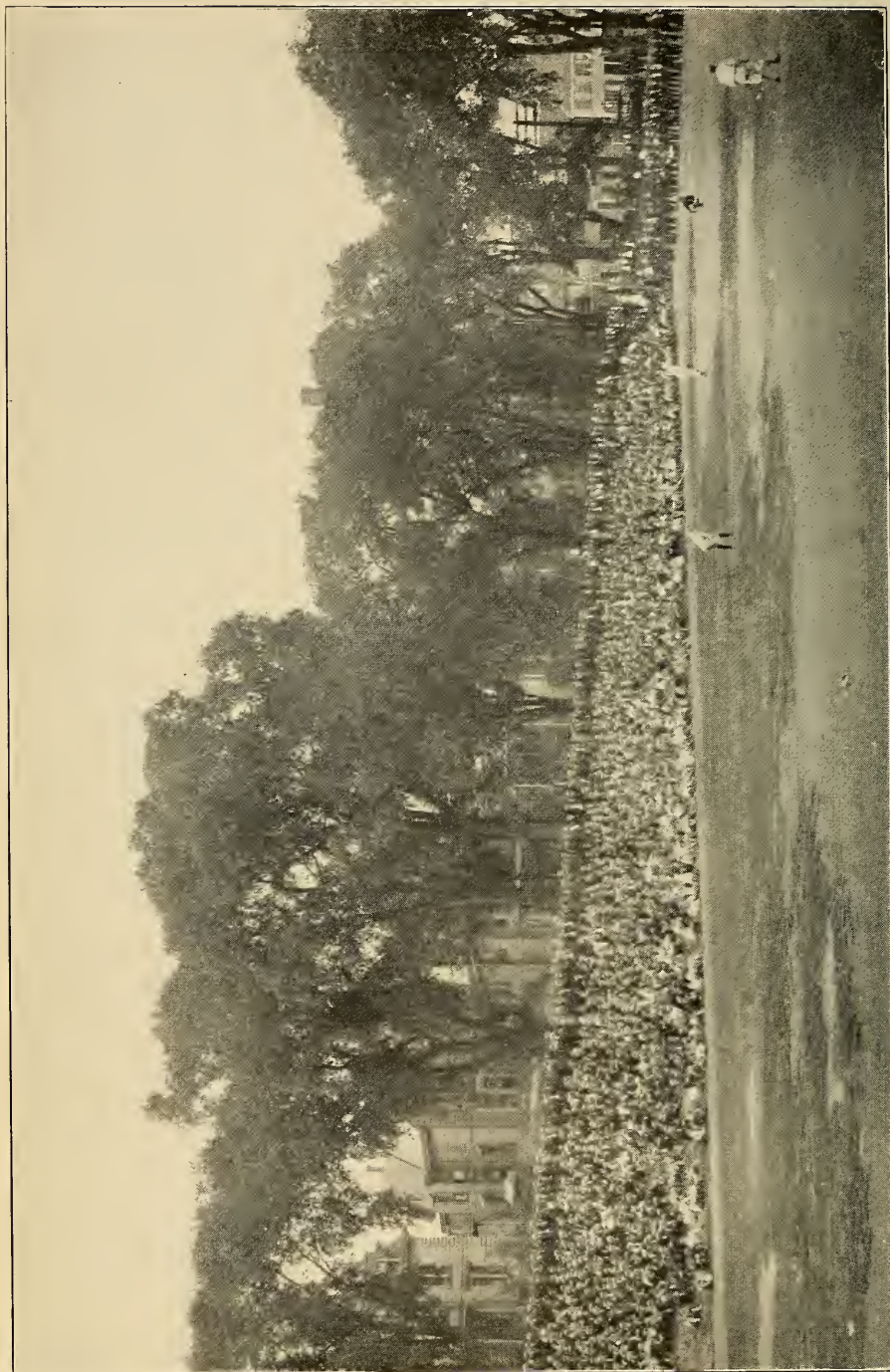
Cities have come to realize that money spent on recreation means reduced expenditures for reform schools and correctional institutions; that recreation makes for health and good citizenship, and that the money is much more wisely spent for the "ounce of prevention" rather than for the "pound of cure".

During the past season twelve playground centers were operated during the summer with a corps of thirty-six supervisors, and an average daily attendance of over 5000 children. The children enjoyed healthful outdoor recreation, consisting of recreative play, physical education, swimming, folk-dancing, and inter-playground games. The inter-playground games consisted of Senior and Junior Boys' Baseball Leagues, Senior and Junior Girls' Baseball Leagues, Senior and Junior Boys' Volley Ball Leagues, and Senior and Junior Girls' Volley Ball Leagues. Games were played in accordance with pre-arranged schedules and friendly rivalry of the various groups indicated the extreme interest which the various participants took in these activities. Good sportsmanship generally prevailed throughout our playground games.

During the Playground Season particular stress was given to the matter of SAFETY and all worked in close co-operation with the Massachusetts Safety Council for the elimination of accidents in the public streets. Children were repeatedly shown the danger of playing and taking unnecessary chances in the streets, and we are proud to say that not a single accident marred our Playground activities. Evidently the children considered the subject of Safety in a serious manner.

We were very fortunate in having a splendid corps of supervisors, and through their consistent effort we were able to have a highly successful season on all our playgrounds.

Our Playground closing took place on August 30, 1927, at the Municipal Auditorium where the children of the various playgrounds presented as their closing Pageant "The Radio Revue". The different playground groups presented acts in which they gave their impressions of a number of well known radio broadcasting celebrities, and their presentation was indeed a treat for the large number of people present on the occasion. There was a great



TWILIGHT BASEBALL GAME AT SOUTH COMMON

variety of beautiful costumes, the handiwork of some of the playground children, and the manner in which the children performed reflected the excellent training they received and would please many a veteran of the footlights.

Football proved a very popular sport and our Playfields were used continually during the football season, some very fine games being played, which attracted thousands into the open, during the bracing fall season. In order to maintain our playing fields in a manner suitable for these games, and to eliminate the possibilities of wrangles and disputes, a force of six men were required during practically the entire football season. Among their duties was the installing and taking down of goal posts, marking off playing areas, which was done weekly, and installing barriers around the fields in order to control the large crowds which attended the many games. Football has become so popular here in Lowell, that it draws enormous crowds, not only to one field, but to eight different parks weekly. Because of the interest and intense enthusiasm much of our time in the fall season is devoted to it, in order to satisfy the many demands of the players and public generally. Only a few years ago this work was negligible, when not even goal-posts were erected.

Our Public Bath House was opened on June 18 and continued open until September 5, 1927, and proved to be as popular as ever. Many people took advantage of the opportunities for bathing and during the extremely hot weather our attendance ranged as high as 2500. The same staff of life-guards and swimming instructors who attended the public in previous years was present this year and performed their work in a very efficient manner. Swimming lessons were taught by the swimming instructors to those who cared to avail themselves of this opportunity and many persons learned to care for themselves in the water during the season.

Our wading pools at Shedd Playground and South Common were opened continuously throughout the summer season and proved to be a great attraction for the children of the entire city. Many children learned to swim during the summer months and a great many attended daily throughout the entire season. The new Field House at Shedd Playground was a great help in caring

for the children, allowing them to change their clothing there, and permitting them to leave their street clothes in comparative safety, and also providing much needed comfort station facilities.

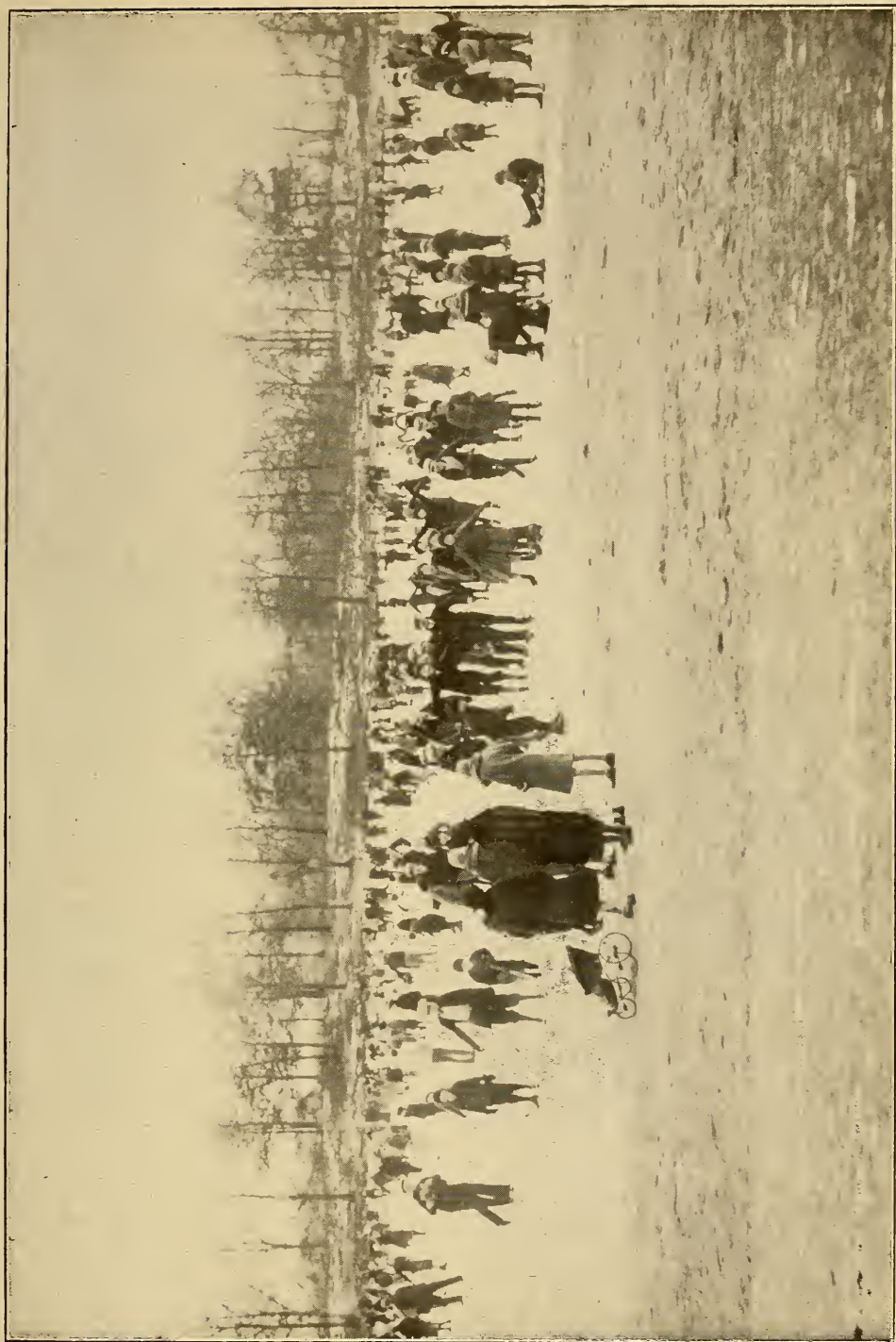
During the summer season two baseball leagues played all their scheduled games on the playgrounds—the Lowell Twilight League, composed of eight teams, played on the South Common Baseball Diamond four nights a week, and the Centralville League, a newly formed league of residents of the Centralville District, composed of four teams, played their scheduled games at Frank McPherson Playstead. Great numbers of our residents attended these games which were played during the early evening, and fast baseball was furnished for their entertainment. In addition to the above-mentioned leagues, there were a large number of independent teams throughout the city who played as opportunity arose on the various playgrounds throughout the city. Our baseball diamonds were used to capacity and a great many games had to be postponed owing to the inability of the teams to obtain playing areas when desired.

MOVING PICTURES

The Park Department of the City of Lowell is generally credited as being the pioneers in New England in the presentation of free Outdoor Moving Pictures. Our first showing of free Outdoor Moving Pictures was held in the summer of 1918 and have been continued each summer since that time.

During the past summer these free Outdoor Moving Pictures were presented on twenty-seven occasions in a period of eight weeks at the following locations.

Monday Nights	at	South Common
Tuesday Nights	at	North Common
Wednesday Nights	at	Highland Playground
Thursday Nights	at	Frank McPherson Playstead.



SKATING RINK AT SHEDD PLAYGROUND

Naturally, the attendance at the South Common was greater than at the other locations, because of the fact that the South Common provides a natural slope well adapted for this purpose, where the people attending can sit on the grass in comfort and obtain a fine view of the pictures. The attendance at the South Common averaged between 5000 and 6000 people at each performance, and at other locations was very gratifying.

The Moving Pictures presented this year were of a high grade of clean pictures, much time and care having been spent in their selection. They were thoroughly enjoyed by all classes, both young and old, and our audiences always went away looking forward to the next presentation, so much interest did the pictures arouse. The cost was negligible and, in our opinion, was money well spent, when you consider the great numbers in attendance.

Tennis held firmly as the major sport of the summer season, and our courts in various parts of the city were in continual use long into the twilight. Four new Tennis Courts were constructed at Frank McPherson Playstead this season, bringing our total number of courts throughout the city up to 31 in number. During September two Tennis Tournaments were held at Shedd Playground—the Junior Championship Tournament and the City Championship Tournament, and the entries in both classes broke all previous records. Competition was very keen throughout both tournaments and Tennis followers were treated to the best brand of tennis ever shown on local courts.

During the early winter Shedd Playground was flooded as usual for skating and the four large flood lights were placed in position for use. Earth embankments have been placed at the Tennis Courts at Highland Playground and a portion of the First Street Oval, as well as part of the playstead at the South Common. We have flooded these areas in order to give the children of those districts a good safe place to enjoy this favorite winter pastime without resorting to the dangerous practice of going on the treacherous rivers and brooks.

Our toboggan slide at Fort Hill Park was erected again this year and the flood lights placed in position, so that the enthusiasts

in this line of sport may enjoy themselves to their heart's content as soon as there is sufficient snow. We consider this a worthwhile investment as many thousands take advantage of this healthy outdoor exercise when the weather is exhilarating.

In conclusion, I desire to thank the Board for its support given during the year, the employees of the Department for their faithfulness in performing their duties, the city officials, the playground teachers, the newspapers of our city, and the public in general for the many kind favors rendered, and the spirit of co-operation that has been shown during the past year.

Respectfully submitted,

JOHN W. KERNAN,
Superintendent.

EIGHTY-THIRD ANNUAL REPORT
OF THE
LOWELL CITY LIBRARY

THIRTY-EIGHTH REPORT
OF THE
LIBRARY TRUSTEES

OF THE CITY OF LOWELL
MASSACHUSETTS

FOR THE YEAR OF NINETEEN HUNDRED AND TWENTY SEVEN



KILBURN PRINTING COMPANY

1 9. 2 8

OLD GRIST MILL

ADMINISTRATION OF THE LIBRARY 1927

Board of Trustees

HON. THOMAS J. CORBETT, MAYOR, <i>Ex-officio</i> .		
HENRY H. HARRIS.....	Term expires	1928
JOHN T. DONEHUE, D. D. S.....	" "	1929
EDWARD J. WELCH, M. D.....	" "	1930
ELIZABETH B. REIDY.....	" "	1931
RALPH A. ROCHETTE.....	" "	1932

Organization

HON. THOMAS J. CORBETT, Chairman
JOHN T. DONEHUE, Vice-Chairman
FREDERICK A. CHASE, Clerk

Librarian

FREDERICK A. CHASE

Assistant Librarian

ALICE M. MYERS

Assistants

ANNETTE LEMAITRE
BLANCHE GRAY
ROSE E. REILLY

AMEY FRENCH
ALICE BERTRAND
ESTHER FREEMAN

Bindery

WALTER H. GILMAN

JOS. FAHEY

Superintendent of Reading Room

HARRY C. BOWEN
ROY FRENETTE, Assistant

Librarian of Children's Room

ETHEL LONG
FLORENCE P. BURNS, *Assistant*

REPORT OF THE TRUSTEES FOR 1927

TO THE HONORABLE CITY COUNCIL OF THE CITY OF LOWELL:

Gentlemen:—The Trustees of the City Library herewith present their annual report for the year 1927.

Use of the Library

The use of the Library as shown by the circulation of books shows a total of 289,140, a gain of 31,049 over the previous year and larger than any previous year in the history of the Library. A gain of 6,690 was recorded in the Children's Room and 2,708 in the School Department. The demand for books in the latter department was greater than the supply of books available for school use or the circulation would have been considerably larger. The circulation of books in the improvised branches opened in the summer contributed 6,266 to the total increase.

The Library Staff

In January Miss Florence P. Burns was added to the Library staff to assist Miss Long in the Children's Room.

On the resignation of Miss Hills in April Miss Long was elected Children's Librarian in her place. Miss Julia P. Smith was elected substitute at the same time.

Mr. James Dacey, Assistant Superintendent of the Reading Room, died September 7th. His connection with the Library dated from October, 1906, when he was employed for Sunday afternoons only until April, 1920. He was given temporary position in March, 1922, as assistant to Mr. Wyman on account of the feeble health of the latter. On the death of Mr. Wyman in October, 1923, Mr. Bowen was elected Superintendent of the Reading Room in Mr. Wyman's place and Mr. Dacey was elected as his assistant.

The vacancy caused by Mr. Dacey's death was filled by the appointment of Roy Frenette as assistant to Mr. Bowen. In October Joseph Fahey was appointed assistant in the Bindery in Mr. Frenette's place.

Branch Libraries

With the intention of introducing the idea of Branch Libraries by showing one in operation, the Assistant Librarian, assisted by others of the Library staff, obtained permission of the School Board for the evening use of rooms in three of the public schools for the experiment.

With about 700 or 800 books for adults at each branch books were circulated for one evening each week during July and August at the Pawtucketville, the Highlands and in the Oakland districts in Belvidere. The circulation in Pawtucketville was 2,034, Highlands 2,947, and Belvidere 1,285. On the closing of these branches petitions for their continuance were received, one from the Oaklands with 67 names, another from Pawtucketville with 168 names, and a third from the Highlands with 311 names. Many expressions of appreciation of the service were received which emphasized the fact that our Library was lacking in distributing agencies and that Library privileges might be extended to many more people if access to books were made easier for those living in outlying districts. The delays and distances and dangers of city traffic make a Library that is more than a mile away quite out of reach to many people.

In the large cities probably three-fourths of the circulation of public libraries is through branches and in the lesser cities the small neighborhood branch has become indispensable. They take a large part in the life of their communities. In the foreign colonies they are invaluable social centers for entertainments, exhibits and meetings. They establish a direct and immediate influence upon the children through their books, their clubs and their story hours. They are and should be regarded by the public as a right and a necessity.

FINANCIAL STATEMENT**Receipts**

Appropriations by Municipal Council.....	\$29,400.00	
Fines, etc.	1,105.05	
	<hr/>	\$30,505.05

Expenditures

Salaries	\$23,400.00	
Lighting	1,244.50	
Binding	1,351.99	
Periodicals	820.90	
Books	569.35	
Sundries—Printing	\$614.00	
Transportation	227.73	
Equipment and Hard- ware	173.20	
Paste	31.64	
Office Supplies	322.30	
All other	1,145.33	
	<hr/>	2,514.50
Delivery Stations	603.81	
	<hr/>	\$30,505.05

JOHN DAVIS FUND**Income for 1927**

Cash on hand at last report.....	\$	87.75	
Interest and dividend earnings on invest- ments and loans.....		4,679.58	
Liquidation dividends Wamesit Bank.....		300.00	
U. S. Liberty Loan.....		6,008.21	
U. S. Liberty Loan.....		8,326.78	
12 Shares Lowell Gas Co.....		960.00	
		<hr/>	\$20,362.32

Expenditures

10 Shares U. S. Steel Pref. purchased.....	\$ 1,315.00	
Invested in Lowell Inst. for Savings.....	2,000.00	
City Inst. for Savings.....	2,000.00	
Central Savings Bank.....	2,000.00	
Lowell Five Cent Savings Bank.....	2,000.00	
Mechanics Savings Bank.....	2,000.00	
Merrimack River Savings Bank.....	2,000.00	
Washington Savings Bank.....	2,000.00	
Transfers to John Davis Income Fund.....	4,959.57	
Cash on hand Dec. 31, 1927.....	87.75	
		<hr/> \$20,362.32

JOHN DAVIS INCOME FUND**Receipts**

Balance at last report.....	\$ 102.06	
Transfers from John Davis Fund.....	4,959.57	
		<hr/> \$ 5,061.63

Expenditures

Books purchased for the Library.....	\$ 5,028.48	
Cash balance Dec. 31, 1927.....	33.15	
		<hr/> \$ 5,061.63

JOHN DAVIS FUND**List of Securities****Bonds**

Name	Due	Rate of Interest	Par Value
Boston & Maine R. R.....	1944	4½ %	\$11,000.00
Boston & Maine R. R.....	1941	5 %	10,000.00
Boston & Maine R. R.....	1929	4½ %	5,000.00
N. Y., N. H. & H. R. R.....	1954	4 %	10,000.00
Illinois Central R. R.....	1952	3½ %	10,000.00
Boston & Albany R. R.....	1952	3½ %	4,000.00
Atch., Top. & Santa Fe.....	1995	4 %	1,000.00
Hartford, Conn.....	1933	4½ %	10,000.00
City of Baltimore.....	1958	4 %	5,000.00
City of Waterbury, Conn.....	1950	4¼ %	4,000.00
Liberty Loan Coupon Bond.....	1938	4¼ %	2,000.00
Commonwealth of Mass.....	1941	3 %	2,000.00
Appalachian Power Co.....	1956	5 %	4,000.00
			<hr/> \$78,000.00

Railroad Stock

No. Shares		Price per Share	Amount
27	Boston & Maine (Common).....	80½	\$2,173.50
1	B. & M. Preferred Stock (Class C).....	143	143.00
39	Boston & Albany.....	193½	7,546.50
1	Nashua & Lowell.....	125	125.00
			<hr/>
			\$9,988.00

Manufacturing Stock

No. Shares		Price per Share	Amount
12	Nat'l Fabric and Finishing Co.....	32	\$ 384.00
10	U. S. Steel Pref.....	145¾	1,453.75
			<hr/>
			\$1,837.75

Miscellaneous Stock

No. Shares		Price per Share	Amount
14	American Tel. & Tel. Co.....	194	\$2,716.00

Bank Stocks

No. Shares		Price per Share	Amount
9	Appleton Nat. Bank, Lowell.....	148	\$1,332.00
3	O'd Lowell Nat. Bank, Lowell.....	145	435.00
11	Union Nat. Bank, Lowell.....	285	3,135.00
			<hr/>
			\$4,902.00

Savings Bank Accounts

Lowell Inst. for Savings.....	\$ 2,000.00	
City Inst. for Savings.....	2,000.00	
Central Savings Bank.....	2,000.00	
Lowell Five Cent Savings Bank.....	2,000.00	
Mechanics Savings Bank.....	2,000.00	
Merrimack River Savings Bank.....	2,000.00	
Washington Savings Bank.....	2,000.00	
		<hr/>
		\$14,000.00

Mortgage Note

A. H.	\$ 1,800.00
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Summary of Investments and Cash Assets

	Value April 25, 1927	Value May 4, 1928
Registered Bonds	\$ 92,000.00	\$ 78,000.00
Railroad Stocks	8,964.50	9,988.00
Manufacturing Stocks	180.00	1,837.75
Miscellaneous Stocks	2,313.50	2,716.00
Bank Stocks	4,902.00	4,902.00
Mortgage Notes	2,000.00	1,800.00
Savings Bank Accounts		14,000.00
Cash in Bank	1,237.00	635.00
	<u>\$111,597.00</u>	<u>\$113,878.75</u>

The undersigned, committee of the Trustees appointed to check up the List of Securities of the John Davis Fund, to-day called on the City Treasurer, who produced for their examination the above listed securities.

ELIZABETH B. REIDY,
RALPH A. ROCHETTE.

Lowell, Massachusetts,
May 7, 1928

STATISTICS IN FORM ADOPTED BY THE AMERICAN LIBRARY ASSOCIATION

City Library, Lowell, Mass.

Annual Report for Year Ending December 31, 1927.

Population 1925 Census, 110,296.

Free for Lending and Reference.

Two delivery stations, namely one at Davis Square, one in Centralville and several deposit stations.

Main Library open 304 days during the year. 72 hours a week for lending. 72 hours for reading.

Library open Sundays (October to June) for reference and reading 2 to 9 P. M.

Reading Room open Sundays, 9 A. M. to 9 P. M.

Number of volumes at beginning of year..... 127,730

Number of volumes added by purchase 3,293

Number of volumes added during year by gift or exchange	32
Number of volumes added during year by binding material not otherwise counted.....	157
Total number at end of year.....	131,212
Number of newspapers, periodicals, proceedings and transactions of learned societies currently received....	288
Number of volumes of fiction lent for home use. Adult	104,799
Juvenile	91,522
Total	196,321
Total number of volumes lent for home use. Adult, 137,210. Children's Room, 65,259. School Dept. 63,126. Other Circulation, 23,545. Total circulation	289,140
Per cent. fiction of total volumes, lent.....	70.9
Number of borrowers registered during year.....	8,349

LIST OF DONORS OF 1927

	Vol.
American Historical Society.....	1
Beethoven Association	1
Director of Public Buildings, Washington.....	2
Georgia Marble Co.....	1
Grand Rapids Public Library.....	1
Luckey, Rev. L. W. A.....	2
Putnam, G. P. & Sons.....	2
Robertson, Alex F., and others.....	1
Secretary of Commonwealth.....	1
Sullivan, Mrs. P. F.....	11
University of State of New York.....	1
Yale Press	1

LIST OF JURORS

FOR THE

CITY OF LOWELL

FOR THE YEAR

1928



WATSON BROS. PRINTERS  243 DUTTON STREET

LIST OF JURORS

A

Ainsworth, George, 29 Kinsman St., laborer.
Alexander, Thomas H., 223 Moore St., salesman.
Allard, J. Omer, 52 Mammoth Road, manager.
Allard, Joseph, 161 Cumberland Road, unemployed.
Amadon, Fred C., 760 Stevens St., grocer.
Anderson, Walter R., 92 Grand St., salesman.
Andrew, James, 39 St. James St., dyer.
Andrews, John R., 6 Wood St., passenger trainman, B. & M.
Arcand, Maurice, 818 Merrimack St., laborer.
Archambault, Archibald, 119 Mt. Washington St., clerk
Archambault, Dewey G., 197 Pawtucket St., undertaker.
Armstrong, Robert J., 6 Favor St., none.
Armstrong, Robert Joseph, 690 E. Merrimack St., out of work.
Armstrong, Thomas, 72 Maple St., foreman.
Arpin, Arthur J., 39 Washington St., auto mechanic.
Ashe, George T., 2 Woodbine Place, clerk.
Ashton, Stephen, 10 Whidden St., painter.
Ashworth, Benjamin F., 137 Stackpole St., line foreman.
Ayer, Earl F., 11 Phillips St., assistant overseer.

B

Badmington, Edward W., 11 Usher St., credit manager.
Bailey, John S., 462 Chelmsford St., auto mechanic.
Bailly, Louis, 137 Crawford St., pharmacist.
Baker, Herbert R., 32 W. Sixth St., janitor.
Bakey, James, 43 Wamesit St., fireman.
Bakey, Patrick, 131 Moore St., sta. fireman.
Balfrey, John, 65 Congress St., shoe maker.
Banfield, John B., 306 Thorndike St., mason tender.
Banks, Martin J., 10 Butterfield St., operative.
Bardan, John, 397 Broadway St., machinist.
Barrett, James, 18 Abbott St., driver.
Barrington, Henry, 36 Barrington St., operator.
Barrington, John T., 36 Barrington St., card tender.
Barris, Arthur, 777 Westford St., salesman.
Barris, Edward R., 126 Grove St., manager.
Barrows, Raymond M., 7½ Westview St., ins. salesman.
Barry, Charles E., 820 Merrimack St., machinist.
Barry, John E., 420 Butman Road, stableman.
Barry, Patrick J., 28 Chippewa St., cemetery worker.
Barry, Walter Francis, 11 Dracut St., chauffeur.
Bassett, Cyrus J., 90 Andrews St., ins. agent.
Bauer, John H., 492 Fletcher St., laborer.
Beals, Horace P., 84 Marlborough St., whs. lumber and real est.
Bean, Walter S., 25 Osgood St., operating executive.
Beauchesne, Armand, 5 Bowers St., hosiery worker.
Beauchesne, Emile P., 886 Moody St., inspector.
Beaupre, Earl A., 759 Merrimack St., La Presse agent.
Beauregard, Anastas E., 59 Crawford St., salesman.
Beauregard, William J., 22 Wiggin St., grocer.
Bechard, Ferdinand W., 25 Woodward Ave., merchant.
Bedard, Ludger, 736 Merrimack St., store prop.
Belair, Edward V., 85 Agawam St., woolen spinner.
Belley, Edmond L., 129 Crawford St., jeweler and watchmaker.
Benner, E. Austin, 58 Staples St., reporter.
Benoit, Benjamin L., 1463 Varnum Ave., salesman.
Berard, John B., 6 East Pine St., carpenter.
Bernard, Arthur J., 32 Hildreth St., district rep.
Bernier, Arthur W., 69 Florence Road, salesman.
Bernier, Noel A., 15 James St., accountant.
Bernier, Samuel J., 58 Dover St., salesman.
Bernstein, Sidney, 37 Bellevue St., wholesale fruit.
Bilodeau, Leo N., 98 Avon St., undertaker.
Bilodeau, Napoleon J., 709 Merrimack St., undertaker.
Biron, Joseph Arthur, 59 Lilley Ave., merchant.

Black, Arthur J., 13 Oak St., printer.
Blaisdell, Charles E., 4 Fernald St., paymaster.
Blazon, Donat, 241 White St., printing pressman.
Blessington, Andrew J., 43 Cedar St., attendant.
Bogdonoff, Mark E., 42 So. Walker St., marketman.
Boisvert, Hervey, 64 Tucker St., machinist.
Bolan, William, 4 West 11th St., stereotyper.
Booth, Henry V., 344 Stackpole St., beamer.
Bordeleau, George Amedee, 34 Ludlam St., pharmacist.
Bouchard, George A., 129 Pine St., machinist.
Boudreau, Elphege, 983 Middlesex St., meat market.
Boudreau, Thomas, 136 Branch St., machinist.
Boughton, John L., 8 Kimball Ave., laborer.
Boule, Lazare, 66 Mt. Hope St., investigator.
Bourdon, Michael, 805 Merrimack St., carpenter.
Bourdy, Otto H., 38 Old Ferry Road, gardener.
Bourgeault, Henry, 40 Arlington St., wood heel finisher.
Bourgeois, Aldei C., 49 Frothingham St., bank teller.
Bourgeois, Gustave, 76 Mt. Hope St., clerk.
Bourgeois, Homer Wallace, 29 Frothingham St., bank teller.
Bourque, Adelard, 19 Ash Street, foreman.
Bouthillette, Andrew L., 71 Carolyn St., manager.
Bovill, Robert, 35 Greendale Ave., salesman.
Bowen, Harold A., 571 School St., auditor.
Bowers, John J., 122 Coburn St., leatherworker.
Bowers, Jonathan, 169 Merrimack St., caretaker.
Bowers, Varnum, 169 Merrimack St., clerk.
Bowles, Willis H., 261 Hildreth St., boiler maker's helper.
Boyle, Thomas F., 47 West Fifth Ave., motorman.
Boyle, Leonard J., 282 Fayette St., polisher.
Bradley, Patrick G., 317 Westford St., truck driver.
Bradley, Phillip H., 430 Gorham St., out of work.
Bradley, William A., 14 Olive St., toolmaker.
Bradley, William J., 1022 Central St., laborer.
Brady, Frederick J., 5 Olive St., store clerk.
Branchard, Albert, 34 Beaulieu St., plumber.
Brassard, Peter V., 26 Ash St., chauffeur.
Brassill, Dennis, 234 Cumberland Road, laborer.
Breen, Arthur R., 640 Bridge St., clerk.
Breen, James D., 145 Fletcher St., loomfixer.
Breen, John Francis, 32 Lee St., roll coverer.
Breen, Thomas P., 7 Goward Court, chauffeur.
Brennan, Edward T., 697 Chelmsford St., merchant.
Brennan, Harry J., 398 Broadway St., polisher.
Brennan, John S., 11 Common Ave., jeweler.
Brennan, Thomas F., 612 Broadway St., machinist.

Briggs, Harry C., 224 Foster St., office manager.
Brine, Alton David, 22 Hoyt Ave., compositor.
Brodeur, Arthur, 192 Pawtucket St., bookkeeper.
Brodeur, Charles, 5 Watson Ave., machinist.
Brodley, James J., 801 Central St., asst. branch manager.
Brogan, Edward J., 671 Rogers St., construction foreman.
Brooks, Eli, 21 West 5th Ave., beamer.
Brooks, Harry, 228 E. Merrimack St., shipper.
Brousseau, Pierre A., 43 Essex St., retired.
Brown, George M., 100 Westford St., piece work inspector.
Brown, Hector, 59 Fay St., woolen spinner.
Brown, John J., 167 E. Merrimack St., sta. fireman.
Brown, Robert J., 25 White St., shoeworker.
Bruce, Walter C., 515 Varnum Ave., manufacturer.
Brun, Arsene E., 75 Eugene St., yard conductor.
Brunelle, Arthur J., 918 Moody St., clerk.
Brunelle, Donat Joseph, 849 Moody St., section stockman.
Brunet, Arthur, 927 Lakeview Ave., lunch cart prop.
Bryant, George A., 39 12th St., telephone test man.
Buckley, John W., 130 Concord St., mule spinner.
Buckley, Joseph P., 68 Grand St., clerk.
Buey, John W., 49 Dunfey St., theatrical stage emp.
Burke, Bernard, 223 Concord St., trackman.
Burke, Frank Peter, 37 Bowden St., steamfitter.
Burke, John, 10 Lawson St., meat cutter.
Burke, J. Frank, 148 Carlisle St., linotype operator.
Burke, John R., 72 Chestnut St., teamster.
Burke, Joseph P., 11 West St., woolen worker.
Burns, Bernard F., 407 High St., retired.
Burns, James M., 62 Huntington St., compositor.
Burns, John Joseph, 7 Chase St., operator.
Burns, Thomas J., 407 High St., salesman.
Burrows, William H., 91 Agawam St., operative.
Busby, Thomas, 35 Meade St., operative.
Butler, John R., 159 Broadway St., proprietor.
Butterworth, Peter H., 147 High St., retired.
Buttimore, Michael, 34 Phelp St., machinist.
Byam, Harrison E., 185 Foster St., architect.
Byam, Ray S., 79 Florence Ave., real estate and insurance.

C

Cadorett, Joseph, 118 Ennell St., garage man.
Cady, Byron F., 239 Gibson St., manufacturer.
Cahill, Thomas Peter, 53 Chapel St., laborer.

Cailler, Walter J., 43 Eustis Ave., printer.
Callahan, Daniel F., 162 Agawam St., cigar maker.
Callahan, Daniel F., 26 Second Ave., engineer.
Callahan, John T., 15 Perrin St., steamfitter.
Callahan, Joseph Clifford, 15 Perrin St., salesman and decorator.
Callahan, Patrick, 634 Broadway St., operative.
Callahan, Stephen A., 165 Avon St., salesman.
Cameron, James, 105 Georgia Ave., merchant.
Campbell, Frank J., 29 Harris Ave., reg. pharmacist.
Campbell, Frederick, 22 Suttle Ave., letter carrier.
Carey, William J., 94 B St., operative.
Carey, Victor J., 19 Rutland St., service manager.
Carlson, John S., 140 Wentworth Ave., piano salesman.
Caron, Joseph J., 423 Broadway St., steel worker.
Carroll, Arthur, 73 Fletcher St., clerk.
Carroll, Michael D., 118 So. Highland St., plumber.
Carroll, William Patrick, 11 Ash St., plumber.
Carty, James, 41 Hampshire St., shear hand.
Carufel, Emile, 822 Moody St., machinist.
Casey, Jeremiah, 115 Andrews St., boilermaker.
Casey, John F., 123 Cross St., apprentice.
Casey, John F., 171 Pleasant St., checker.
Casey, Michael, 46 June St., chauffeur.
Casey, William H., 85 C St., steamfitter.
Cashman, John Joseph, 506 Lawrence St., clerk.
Casserly, Patrick, 179 School St., laborer.
Cassidy, Francis J., 184 Wentworth Ave., leather worker.
Cassidy, George M., 56 West 6th St., chauffeur.
Cassidy, James, 129 Pleasant St., painter.
Cassidy, James Joseph, 92 Hastings St., salesman.
Cassidy, Patrick Joseph, 9 Crawford St., operative.
Cassidy, Thomas F., 443 Gorham St., tool maker.
Cassidy, Thomas R., 643 Broadway St., clerk.
Cassin, John W., 251 Methuen St., foreman.
Cavanaugh, Roger Jr., 4 Butterfield St., meat cutter.
Cayer, Frank, 35 Sarah Ave., buyer.
Chambers, Edward S., 10 Fay St., folder.
Champagne, Gustave M., 13 Thorndike St., manager.
Chandler, Paul I., 83 Lawrence St., freight handler.
Chapman, Fred, 593 Gorham St., wire man.
Chapman, John B., 26 Newell St., salesman.
Choate, Albert H., 40 Hawthorn St., pharmacist.
Choquette, Paul J., 89 Butterfield St., chemical engineer.
Chretien, Armand A., 85 Billings St., battery man.
Clancy, Charles, 784 Broadway, paver.
Clancy, James A., 165 Branch St., cashier.

Clapp, Harry C., 340 Wilder St., garage proprietor.
Clark, Charles E., 11 Carter St., janitor.
Clark, John F., 169 Merrimack St., salesman.
Clark, Joseph C., 84 Andover St., steamfitter.
Clark, Marion S., 316 Pine St., cashier B. & M.
Clay, Harry E., 11 White St., foreman.
Cleary, Walter J., 59 Swift St., carpenter.
Cluin, John J., 29 Belle Ave., salesman.
Coady, Patrick H., 443 Broadway St., laborer.
Cogger, Daniel A., 834 Moody St., printer.
Cogger, William Patrick, 430 Riverside St., engineer.
Colburn, Philip E., 72 Fairlawn St., time clerk.
Colby, Clayton W., 9 Gilbride Terrace, milk tester.
Colby, Walter W., 57 Burtt St., plumber.
Coleman, Dennis J., 4 Stanley Ave., checker.
Collins, George D., 103 Westford St., section hand.
Colpitts, Calvin M., 63 Hawthorn St., designer.
Conaton, John J., 377 Walker St., paper cutter.
Concannon, Michael J., 204 Pleasant St., electrotyper.
Condon, Daniel, 7 Agawam St., leather worker.
Condon, Edward F., 96 Midland St., clerk.
Conley, John F., 160 Andover St., clerk.
Conlon, Leo W., 53 Fay St., weaver.
Conlon, Edward F., 1 Everett St., chauffeur.
Conlon, John F., Jr., 110 Aberdeen St., electrician.
Connolly, John F., 133 Mt. Washington St., clerk.
Connolly, Peter, 254 Fletcher St., laborer.
Connor, Bernard A., 33 Walnut St., weaver.
Connor, Charles F., 204 Concord St., newspaperman.
Connor, John H., 106 Pleasant St., plumber.
Connor, Francis A., 71 Richardson St., salesman.
Connor, Walter F., 73 Fort Hill Ave., manager.
Connor, William H., 301 Concord St., clerk.
Connors, Jeremiah, 31 St. James St., laborer.
Connors, William F., 168 Pleasant St., health inspector.
Conrad, William C., 62 Appleton St., blacksmith.
Conroy, John, 30 Chestnut St., laborer.
Considine, James Andrew, 127 Blossom St., shipping clerk.
Considine, Lawrence J., 22 London St., machinist.
Conway, Daniel F., 48 Sidney St., foreman.
Conway, John F., 5 Floyd St., machinist.
Conway, Raymond, 785 Broadway St., clerk.
Coombs, Thomas J., 122 Third St., sign painter.
Coote, Samuel J., 445 Merrimack St., clerk.
Copley, John J., 97 Jewett St., clerk.

Corcoran, Michael H., 9 Grace St., machinist.
Corcoran, Thomas H., 27 Marginal St., operator.
Corey, James Edward, 92 Pleasant St., operative
Corey, John H., 109 Rogers St., leather worker.
Corey, Patrick, 92 Pleasant St., retired.
Corkery, Timothy, 89 Blossom St., motorman.
Cormier, Leo, 4 Crane St., chauffeur.
Cornellier, Maxime J., 26 Hampshire St., railroad clerk.
Corrigan, James M., 5-344 Stackpole St., oiler.
Corrigan, Michael, 5-344 Stackpole St., laborer.
Cosgrove, Daniel, 492 Gorham St., clerk.
Cote, Lucien J., 65 5th St., metal worker.
Coughlin, Joseph E., 52 Sixth Ave., clerk.
Coughlin, Michael, 18 Bleachery St., overseer.
Courcy, Arthur H., 118 Gershom Ave., shoe worker.
Coutu, Athanase J., 68 Branch St., garage work.
Couture, Denis, 236 Moody St., barber.
Couture, Romeo, 100 Hastings St., letter carrier.
Cox, Edward F., 159 Broadway St., leather worker.
Cox, Frank L., 78 Varney St., shoe worker.
Cox, Frederick A., Jr., 78 Varney St., shoe worker.
Cox, James H., 140 Avon St., letter carrier.
Cox, James J., 21 Canton St., salesman.
Cox, Patrick W., 476 Pine St., boiler maker.
Craig, John T., 126 Andrews St., steamfitter.
Craven, Joseph Edward, 480 East Merrimack St., clerk.
Creegan, James, 22 Pollard St., laborer.
Crockett, Eugene G., 38 Fourth Ave., registered pharmacist.
Crockett, Harry B., 123 Butman Road, pharmacist.
Cronin, Cornelius F., 344 Varnum Ave., superintendent.
Cronin, Daniel F., 45 Chase Ave., machinist.
Cronin, Edward J., 124 Warwick St., loomfixer.
Cross, Winfield, 148 Myrtle St., janitor.
Crowe, Frederick M., 180 Broadway St., musician.
Crowley, Leo F., 39 Moore St., fireman.
Crowley, Leo J., 126 Quebec St., printer.
Cuff, John J., 2 West 10th St., carpet weaver.
Cuff, Thomas S., 195 Moore St., priming mixer.
Cullinan, Bartholomew J., 394 Beacon St., supt.
Cullinan, Patrick, 196 Pleasant St., sta. fireman.
Cullinane, Michael, 134 Methuen St., machinist.
Cummings, James P., 21 Claire St., helper.
Cunningham, Daniel J., 633 Broadway St., clerk.
Cunningham, Henry J., 84 Twelfth St., clerk.
Curley, John J. F., 63 Puffer St., sub. letter carrier.
Curran, Frank B., 110 Fayette St., yard clerk.

Curran, James P., 314 High St., salesman.
Curran, Philip Henry, 624 Broadway St., plumber.
Curran, William J., 110 Fayette St., laborer.
Curry, Charles J., 101 Crawford St., plasterer.
Curry, John P., 165 Jewett St., clerk.
Curry, William Henry, 23 Jenness St., clerk.
Curtin, Bernard L., 31 Albion St., driver.
Curtin, Daniel, 30 Saratoga St., laborer.
Cutress, William P., 19 E St., grinder.
Campbell, Richard C., 17 So. Walker St., clerk.
Cleary, James H., 59 Swift St., retired.

D

Dacey, James T., 3 Rundletts Court, clerk.
Dailey, Joseph A., 87 W. 6th St., manager.
Daley, Thomas A., 27 Harrison St., clothing designer.
Dalton, John, 118 Adams St., out of work.
Dalton, Martin Joseph, 206 Cross St., carpet weaver.
Daly, John J., 12 W. 5th St., bookkeeper.
Daly, John J., 21 Smith Ave., teamster.
Daly, Michael J., 29 Agawam St., machinist.
Dane, Frank H., 23 Arlington St., foreman.
Davey, William J., 36 Royal St., mill worker.
David, Albert W., 234 Gibson St., general sales agent.
Davis, Charles O., 1 Brickett Ave., picker room.
Davis, Frank W., 14 Hanks St., printer.
Davis, Orthello P., 26 Princeton St., salesman.
Dawson, Joseph F., 41 Ware St., electrician.
Dean, Sam, 36 Chatham St., unemployed.
De Lorme, Arthur G., 111 Parkview Ave., salesman.
Delahanty, Stephen E., 41 Franklin St., out of work.
Delaney, Thomas V., 3 Stanley Ave., bank chauffeur.
Delisle, Cyprien, 14 Wachusett St., barber.
Dellgren, Nils O., 28 Fay St., granite polisher.
Delmore, John J., 53 Walker St., stockman.
Demers, George R., 97 Chelmsford St., laborer.
Dempsey, John William, 180 A St., photographer.
Denno, Harold E., 17 Cascade Ave., passenger trainman, B. & M.
Denny, Charles Joseph, 56 Mead St., chauffeur.
Desaulnier, Clovis E., 797 Merrimack St., machinist.
Desaulnier, Philip L., Jr., 27 Bowers St., unemployed
Desaulnier, Roderick L., 27 Bowers St., electrician's helper.
Descheneaux, Alberic, 103 Dracut St., milk dealer.
Desmarais, Henry P., 21 Smith St., shipping clerk.
Desmond, Robert J., 195 Stackpole St., helper.

Desrosiers, Avila, 257 West 6th St., grocer.
Devine, Michael F., 86 Pleasant St., leather worker.
Devine, William, 284 High St., operative.
Devlin, James P., 43 Willow St., janitor.
Dickerman, William O., 64 Bellevue St., retired.
Dignan, Owen, 21 Walnut St., laborer.
Dignan, Thomas J., 21 Walnut St., musician.
Dillon, John James, 53 London St., water works.
Dillon, Joseph D., 653 Stevens St., letter carrier.
Dinneen, Leo E., 25 Oliver St., teller.
Dion, George, 185 Ludlam St., grocer.
Dockett, Frank J., 57 So. Whipple St., laborer.
Doherty, John, 489 Broadway St., box maker.
Doherty, John F., 50 Pine St., laundry man.
Dolan, John, 135 Chelmsford St., shipper.
Dolan, Martin Francis, 106 Sayles St., plumber's helper.
Donahue, Arthur R., 33 Maude St., garage man.
Donahue, Daniel, 278 Central St., night watchman.
Donlon, Michael H., 11 Leroy St., starter.
Donnelly, Charles P., 11 Shedd St., laborer.
Donnelly, Daniel E., 37 C St., second hand.
Donnelly, James J., 23 Berkeley Ave., leather shaver.
Donohoe, John P., 809 Lawrence St., chauffeur.
Donovan, David J., 42 Claire St., letter carrier.
Donovan, Dennis H., 42 Claire St., laborer.
Donovan, John D., 65 Queen St., unemployed.
Dostaler, Avit R., 105 A St., provision dealer.
Dostaler, Frank X., 105 A St., merchant.
Dow, George L., 58 Merrill Ave., drug salesman.
Doucette, Joseph E., 65 Ivanhoe St., clerk.
Douglass, Frank C., 396 Middlesex St., U. S. mail contractor.
Douglass, Horace L., 40 B St., mechanic.
Doyle, James Lawrence, 65 Stevens St., salesman.
Doyle, John J., 65 Stevens St., salesman.
Dozois, Victor E., 11 Spaulding St., hardware merchant.
Dragon, Reginald V., 248 Mammoth Road, advertising agent.
Drainville, Albert, 148 Pine St., at home.
Drapeau, Herve L., 190 Pawtucket St., foreman.
Driscoll, Mortimer J., 664 Broadway St., installer.
Drouin, Joseph E., 83 Mt. Vernon St., janitor.
Dubois, Rosario Joseph, 77 Gershom Ave., clerk.
Dubois, Ubald E., 272 Merrimack St., clerk.
Ducharme, Alfred, 822 Merrimack St., buyer.
Ducharme, Roderick C., 14 Willie Ave., shoe worker.
Dudley, William Joseph Jr., 394 Bridge St., chauffeur.
Duffy, John J., 86 Chestnut St., city laborer.
Duggan, Frank J., 220 Concord St., leather worker.
Duggan, Hugh F., 112 Concord St., clerk.

Duggan, William T., 131 Crosby St., machinist.
Dupuis, Hector, 264 West 6th St., real estate.
Durkin, Richard M., 43 Leverett St., milk driver.
Durkin, Thomas J., 77 New Spaulding St., compositor.
Dwyer, Edward T., 23 Sidney St., painter.
Dwyer, James E., 281 Chelmsford St., insurance agent.
Dwyer, Timothy, 580 Gorham St., operative.
Dwyer, William H., 49 Walnut St., cashier.

E

Elie, George Albert, 161 Ludlam St., chauffeur.
Ellis, Guy E., 99 Foster St., inspector.
England, Thorsten G., 116 Gibson Road, supt.
Eno, Edward, 28 Branch St., cook.
Everett, George, 45 Columbia St., laborer.

F

Fahey, John J., 197 Moore St., operative.
Farley, Edward F., 73 West Fourth St., painter.
Farley, James E., 39 Plummer Ave., fireman.
Farrell, Edward J., 12 Third Ave., shoe salesman.
Farrell, James H., 169 Merrimack St., salesman.
Farrell, Philip Francis, 126 Adams St., laborer.
Fawcett, William J., 4 Franklin St., machinist.
Fell, John T., 147 Fayette St., chauffeur.
Fell, Samuel, 68 Bartlett St., unemployed.
Ferguson, Raymond C., 26 Fred St., brakeman.
Fernald, George A., 29 18th St., cutter.
Fielding, Joseph, 669 Stevens St., retired.
Finn, Patrick H., 197 School St., wood worker.
Finnegan, Dennis Joseph, 732 Lawrence St., laborer.
Finnegan, Michael H., 141 Fayette St., janitor.
Finneral, Henry, 211 Lincoln St., plumber.
Finnerty, James A., 32 Lura St., P. O. clerk.
Finnerty, Joseph F., 303 Concord St., clerk.
Finnerty, Thomas J., 156 Perry St., telephone employee.
Fitzgerald, James A., 84 Willie St., weaver.
Fitzgerald, Patrick J., 73 Fletcher St., folder.
Fitzgerald, Thomas A., 1123 Lawrence St., dental technician.
Fitzpatrick, Edward S., 410 Walker St., provision dealer
Fitzpatrick, Thomas F., 62 Hampshire St., dyer.

Flanagan, Edward C., 24 Walnut St., clerk.
Flanagan, James G., 105 London St., shipping clerk.
Flanagan, John J., 7 Harrison St., caretaker.
Flanagan, John J., 83 Thayer St., laborer.
Flanagan, Patrick M., 93 Fort Hill Ave., teamster.
Flanagan, Paul, 3 Maple Place, machinist.
Fleming, Thomas H., 78 Newhall St., paver.
Flood, Patrick H., 941 Broadway St., carpenter.
Flood, Peter F., 104 Westford St., laborer.
Flynn, Charles F., 16 Newhall St., janitor.
Flynn, Eugene, 160 Agawam St., overseer.
Flynn, Frederick F., 192 School St., salesman.
Flynn, John F., 223 Wentworth Ave., shoe buyer.
Flynn, John J., 18 Ross Ave., sta. fireman.
Flynn, William Miles, 995 Central St., leather worker.
Foley, Joseph J., 166 Broadway St., jeweler.
Foley, William F., 263 Hildreth St., musician.
Fontaine, Paul, 547 Moody St., ins. agent.
Ford, John M., 396 Pine St., salesman.
Foudy, Thomas F., 47 Lundberg St., chauffeur.
Fortin, Antoine, 903 Moody St., salesman.
Fournier, Albert A., 40 West Adams St., card grinder.
Fox, Russell M., 359 Beacon St., instructor.
Foye, James J., 178 Fayette St., checker.
Foye, John, 67 Pleasant St., truckman.
Fraser, Allan, 13 McKinley Ave., retired.
Frawley, John H., 31 Waite St., railroad clerk.
Frawley, Patrick Joseph, 128 Chapel St., laborer.
French, George O. E., 125 Westford St., embalmer.
Frost, Charles E., 285 Princeton St., foreman.
Furey, Joseph, 95 Boston Road, laborer.
Furey, William F., 190 Broadway St., clerk.
Furey, William J., 121 Jewett St., stock clerk.
Furlong, James E., 389 High St., orderly.
Furlong, Joseph R., 389 High St., chauffeur.

G

Gaffney, James F., 471 Bridge St., storekeeper.
Gagan, George A., 645 Central St., florist.
Gagnon, Albert A., 11 Stockbridge St., loomfixer.
Gallagher, Bartholomew, 63 Newhall St., laborer.
Gallagher, George F., 101 Grand St., railway clerk.
Gallagher, Hugh F., 305 Fairmount St., beamer.
Gallagher, James J., 56 Worthen St., chauffeur.
Gallagher, John T., 126 Agawam St., teamster.

Gallagher, Thomas, 32 Abbott St., laborer.
Galvin, Thomas J., 84 Coburn St., brakeman.
Gardner, Joseph D., 18 Pine View Ave., tool maker.
Garrity, Francis N., 73 Fletcher St., laborer.
Garrity, Henry Warren Jr., 445 Chelmsford St., clerk.
Garrity, Thomas, 445 Chelmsford St., clerk.
Garrigan, John P., 82 Hanks St., stableman.
Garvey, Harold Joseph, 144 Cumberland Road, clerk.
Gaudette, Albert A., 5 Willie St., clerk.
Gaudette, Alfred, 62 Rock St., watchman.
Gaulin, Archille G., 321 Pawtucket St., draftsman.
Gauthier, Alfred J., 38 Lilley Ave., blacksmith.
Gavin, James, 24 Hildreth St., operative.
Gendreau, Emile, 298 Riverside St., paper box maker.
Gerow, William A., 17 Waterford St., salesman.
Gibbons, Michael J., 940 Gorham St., painter.
Gibson, Walter J., 86 Washington St., furniture mover.
Gilbride, James E., 605 Bridge St., mohair grader.
Gilbride, John J., 14 Porter St., druggist.
Gilbride, John Joseph, 82 Coburn St., mill operative.
Gildee, Hugh J., 29 Forest St., overseer.
Gilfillan, John H., 86 West Sixth St., painter.
Gilinson, Thure E., 54 Viola St., mail carrier.
Gillick, Peter F., 243 School St., machinist.
Gillin, Dennis, 754 Broadway St., machinist.
Gill's, Frederick J., 58 Pleasant St., clerk.
Giroux, Arthur H. R., 794 Moody St., reporter.
Giroux, Herve, 14 Endicott St., operator.
Gleason, Daniel A., 29 Third St., driver.
Gleason, Frederic T., 29 Starbird St., railroad conductor.
Gleason, James J., 47 Fifth St., welder.
Gleason, John M., Jr., 20 Ellsworth St., barber.
Golden, Bernard R., 5 Devlin Ave., carpenter.
Golden, Frank P., 535 Lawrence St., stockman.
Golden, Thomas A., 58 Thirteenth St., retired.
Goodell, Butler J., 271 Foster St., salesman.
Goodwin, Walter Edwin, 60 Carlisle St., unemployed.
Gorman, James L., 17 Ellis Ave., machinist.
Gorman, John T., 137 Stackpole St., dresser.
Gormley, Joseph H., 11 Lyon St., insurance.
Grady, James F., 398 Lincoln St., passenger trainman.
Grady, John L., 5 Cross St. Ave., fireman.
Grady, John J., 5 Cross St. Ave., operative.
Grady, Michael J., 237 Walker St., proprietor.
Grady, Patrick A., 51 Barclay St., merchant.
Grady, Thomas J., 202 Coburn St., chauffeur.
Graff, Arthur L., 34 Arlington St., insurance.
Grant, George Charles, 56 Albion St., blast driller.

Grantz, Herman F., 30 Devine Ave., Central Fire Station.
Gravballe, Henry, 73 Agawam St., worsted weaver.
Gravelle, Arthur C., 20 Grand St., chauffeur.
Groves, Adam, 327 East Merrimack St., caretaker.
Gray, Nelson S., 106 Liberty St., clerk.
Gray, William Francis, 10 Chestnut St., beamer.
Green, Frank J., 87 Highland Ave., lunch cart.
Green, Louis V., 217 East Merrimack St., sales manager.
Greenberg, George, 136 Bellevue St., real estate.
Greenwood, William S., 243 Nesmith St., supt.
Gregoire, Joseph H., 40 Third Ave., Insurance agent.
Griffin, John L., 68 Chelmsford St., blacksmith.
Griffin, Thomas, 4 Everett St., unemployed.
Griffin, William J., 73 Fletcher St., clerk.
Guilbault, Eugene, 167 Ennell St., music teacher.
Guild, Chester A., 21 Eighteenth St., printer.
Guthrie, Patrick J., 21 Robinson St., paver.

H

Haggerty, James J., 462½ Chelmsford St., laborer.
Haines, Frank H., 427 Wilder St., costumer.
Hall, George, 55 Lamb St., unemployed.
Hall, John P., 54 7th St., auto livery.
Halloran, Martin E., 443 Gorham St., street car operator.
Hallowood, William D., 207 Concord St., clerk.
Hamilton, William J., 26 Doane St., electrician.
Handley, John M., 15 Woodward Ave., insurance agent.
Hanley, William P., 30 Iowa St., laborer.
Hannon, James, 75 Powell St., master barber.
Hansbury, John J., 29 Hastings St., clerk.
Hanson, Horace, 981 Middlesex St., machinist.
Hardy, Ora A., 30 Chauncey Ave., cotton classer.
Harhan, Martin I., 4 Fifth Avenue, section hand.
Harlow, Frank W., 70 Chelmsford St., freight brakeman.
Harnois, Alfred, 387 Market St., carpenter.
Harrigan, William H., 38 South Walker St., salesman.
Harrington, Charles D., 211 Christian St., reporter.
Harrington, Michael, 47 Warnock St., crossing tender.
Harrington, Patrick H., 66 6th Ave., carpenter.
Harris, Sylvester J., 50 Fay St., unemployed.
Hart, John E., 84 School St., janitor.
Hart, Martin J., 145 Merrimack St., retired.
Hart, Patrick F., 75 Andrews St., finisher.
Hart, William A., 86 West St., clerk.
Hartigan, John J., 9 Whipple St., leather worker.

Hartley, Howard M., 59½ South Whipple St., laborer.
Hartley, William G., 61 Hoyt Ave., elec. contractor.
Harvey, Guy Prescott, 154 Powell St., tool maker.
Hawkins, Frank Harry, 9 Brickett Ave., salesman.
Healey, Harry W., 29 Huntington St., merchant.
Healey, John A., 23 Ralph St., japanner.
Heap, George Albert, 10 Runels Place, twister.
Heathcock, Joseph H., Jr., 60 Loring St., representative.
Hedlund, Oscar E., 616 Stevens St., tool maker.
Hedlund, Walter R., 25 Bond St., mail driver.
Henry, John J., 368 Fairmount St., merchant.
Heroux, Aristide, 710 Merrimack St., drug clerk.
Hersome, Albra W., 94 Bridge St., sta. engineer.
Heslin, Charles P., 86 Butterfield St., shoe worker.
Heslin, Dennis, 762 Gorham St., salesman.
Hession, John, 833 Stevens St., attendant.
Hetherman, James R., 306 School St., fireman.
Hetu, Isidore J., 12 Dane St., baggage man.
Hickey, Cornelius, 10 Walnut St., laborer.
Hickey, John H., 19 Chase St., freight checker.
Higginbottom, George R., 49 Otis St., oiler.
Higgins, Charles J., 7 Bradstreet Ave., chauffeur.
Higgins, Daniel J., 39 Sidney St., manager.
Higgins, Edward, 40 Whipple St., poultry man.
Higgins, John C., 155 Grand St., loom fixer.
Higgins, Terrance J. Jr., 200 Pleasant St., ins. salesman.
Higgins, Vincent P., 44 Barrington St., salesman.
Higgins, William F., 51 Abbott St., undertaker.
Hill, Charles S., 48 Houghton St., retired.
Hill, James G., 24 Myrtle St., painter.
Hill, Leslie G., 299 Hildreth St., tool maker.
Hilton, Horton H., 27 Cornell St., adjuster.
Hird, Daniel, 12 Blodgett St., overseer.
Hogan, William K., 38 Waite St., laborer.
Hobden, George T., 42 Ellis Ave., machinist.
Holland, William, 31 Fourth Ave., iron worker.
Holmes, Robert L., 79 West 6th St., boiler repairman.
Holt, Ralph J., 174 Coburn St., cutter.
Horan, Bernard M. B., 49 Highland Ave., salesman.
Horgan, John, 29 Ellsworth St., freight clerk.
Horgan, John J. Jr., 29 Ellsworth St., laborer.
Horgan, Thomas, 73 Agawam St., operative.
Houston, Wallace J., 9 5th St., clerk.
Howe, James, 121 Willie St., laborer.
Hoyt, Albert C., 658 Chelmsford St., retired.
Hubin, Frank J., 135 3rd St., ins. agent.
Hudson, Fred L., 82 Billerica St., chauffeur.
Hudson, Harry E., 24 Chatham St., chauffeur.

L

Labrecque, Ernest, 225 White St., carpenter.
Lafontain, Edward J., 4 Dutton St., steward.
LaJeunesse, Henry G., 63 Dracut St., shoemaker.
La Marche, Walter N., 19 Austin St., printer.
Lambert, Charles O., 16 Everett St., compositor.
Lambert, Emile E., 22 Ward St., shoemaker.
Lambert, Joseph M., 34 Gershom Ave., printer.
Lambert, Maurice J., Jr., 980 Middlesex St., real estate.
Lambert, William J., 963 Middlesex St., auto repairman.
Lamoureux, Emile J., 81 Mt. Vernon St., P. O. clerk.
Lamoureux, Henry, 814 Merrimack St., L. printer.
Landry, Henry T., 906 Moody St., grocer.
Landry, Homer J., 44 Tolman Ave., engineer.
Lane, James J., 11 Bourne St., sta. fireman.
Lane, William F., 287 Riverside St., janitor.
Lannan, Paul M., 129 Bowers St., adv. solicitor.
Lannon, Thomas J., 15 Leroy St., layout clerk.
Lanoix, Joseph E., 53 Austin St., shoe cutter.
Large, William D., 31 Burgess St., sheet metal business.
Largy, Marquis, 105 Wilder St., blacksmith.
Larkin, James T., Jr., 115 West St., machinist.
Larkin, Patrick, 2 Fulton Ave., engineer.
Larkin, Thomas J., 173 Mt. Vernon St., teamster.
Lasua, Edward J., 216 Chelmsford St., cook.
Lavallee, Rosario, 157 Gershom Ave., watchmaker.
Lavallee, Joseph H., 125 Mt. Washington St., asst. paymaster.
Lavallee, Leon A., 790 Merrimack St., asst. manager.
La Vigne, Andre T., 51 Starbird St., civil engineer.
Lavigne, Arthur G., 94 Branch St., machinist.
Lawler, Charles J., 94 Stromquist Ave., yard brakeman.
Lawler, John C., 94 Stromquist Ave., towerman B. & M.
Lawlor, Frank A., 203 Appleton St., newspaper solicitor.
Lawton, Frederick J., 131 Fletcher St., millwright.
Leahey, William F. Jr., 41 Varnum St., inspector.
Leary, Francis J., 249 East Merrimack St., clerk.
Leary, James E., 249 East Merrimack St., mill operative.
Leavitt, Albert A., 116 Llewellyn St., electrician.
Le Blanc, Charles A., 16 Smith Ave., mechanic.
Le Boeuf, Albani, 76 Endicott St., foreman.
Le Boeuf, Sylva A., 16 Wiggin St., bobbin maker.
Le Bourdais, Louis, 51 Blodgett St., plumber.
Le Brun, Amedee J. B., 28 Varney St., letter carrier.
Leclair, Leo, 103 Ford St., real estate.
Lefebvre, Victor, 28 Osgood St., clerk.
Leith, Edward J., 17 Greenfield St., loomfixer.

Lemire, Ernest, 107 Avon St., manager.
Leonard, Terance D., 418 High St., grocer.
Lepper, Frank E., 30 Pleasant St., steamfitter.
Le Riche, George H., 52 Cambridge St., conductor.
Lewis, Edward J., 167 Quebec St., coremaker.
Lewis, John T., 43 Fifth St., clerk.
L'Heureux, Armand F., 1085 Middlesex St., tool maker.
Libby, David D., 48 Robbins St., carpenter.
Lindsay, John, R., 126 Powell St., bookkeeper.
Linnehan, Thomas, 72 Agawam St., foreman.
Linnehan, Henry M., 25 Claire St., pressman.
Linnehan, John F., 25 Claire St., dyer.
Liston, John P., 96 Fort Hill Ave., leather worker.
Lizotte, Adelard, 187 Perkins St., clerk.
Lloyd, Joseph E., 59 S. Whipple St., insurance salesman.
Lockwood, Clayton, 194 Suffolk St., salesman.
Logan, Frank M., 67 West 4th St., unemployed.
Longtin, Leo A., 160 Branch St., lunch room proprietor.
Loranger, Armand, 14 Lawton St., machinist.
Loranger, Louis, 18 Arlington St., clerk.
Loupret, Paul W., 90 Appleton St., S. S. proprietor.
Luce, Frank J., 119 Gates St., wire worker.
Lull, George H., 91 Exeter St., finisher tender.
Lussier, Arthur, 1072 Middlesex St., chauffeur.
Lynch, Cornelius P., 234 Pawtucket St., police dept.
Lynch, Edward J., 100 Hayes Ave., undertaker.
Lynch, Frank R., 87 Fort Hill Ave., salesman.
Lynch, Joseph, 138 West 6th St., fireman.
Lynch, Robert, 14 rear of 357 Lakeview Ave., oiler.
Lynch, Timothy F., 125 Andrews St., salesman.
Lyness, Samuel G., 48 Brookside St., truck driver.
Lyons, James H., 738 Bridge St., stereotyper.
Lyons, John J., 4 Clifton Place, belt maker.
Lyons, Thomas F., 916 Moody St., laborer.
Lyons, Walter J., 31 Apple St., horn tester.
Lyons, William, 111 Butterfield St., operator.

M

MacDonald, Edward P., 122 South Walker, salesman.
MacDougall, Harry A., 169 Meadowcroft St., machinist.
MacIntyre, Archie, Jr., 28 Berkeley Ave., asst. supt.
MacKenzie, Charles S., 86 Dover St., salesman.
MacShane, Joseph Henry, 232 Chelmsford St., gardener.

Hughes, Joseph, 132 Chapel St., meter tester.
Humphrey, Arthur B., 1161 Bridge St., sales stable.
Hurd, Robert D., 43 Methuen St., driver.
Hurley, Charles F., 134 West St., engineer.
Hurley, Francis, 27 Bassett St., laborer.
Hutchins, George E., 240 Princeton St., dealer.

I

Inglis, Thomas F., 102 Beech St., foreman.

J

Jackson, John S., 120 Gates St., clerk.
James, Bernard, 90 Mt. Vernon St., musician.
Jameson, Arthur A., 57 Gates St., helper.
Jean, Amedee, 39 Melvin St., contractor.
Jeyes, Walter R., Jr., 365 Parker St., asst. supt.
Jeyes, Walter R., Sr., 365 Parker St., supt. L. B. C.
Jodoin, Joseph H., 152 West 6th St., machinist.
Johnson, Henry J., 316 Suffolk St., clerk.
Johnson, Robert H., 828 Bridge St., salesman.
Jordan, John J., 7 Chase St., welder.
Joyce, John M., 20 Washington St., operative.
Judge, Edward M., 6 Exchange Place., driller.

K

Kane, Arthur M., 54 Oakland St., pharmacist.
Kane, James A., 9 Ardell St., cigar maker.
Kane, John J., 247 School St., foreman.
Kane, Joseph P., 84 South Highland St., service sta. operator.
Kane, Michael H., 175 Chapel St., laborer.
Kane, William J., 35 Fulton St., weaver.
Kane, Patrick H., 181 Mt. Vernon St., laborer.
Kaplan, Joseph L., 36 Westford St., garage owner.
Kearney, James J., 293 Fayette St., machinist.

Keating, Edward F., 51 Floyd St., steel cutter.
Keddie, George, 40 London St., roll coverer.
Keefe, Edmund A., 39 Winthrop Ave., machinist.
Keefe, James E., 104 Hale St., chauffeur.
Keefe, John, 58 Perry St., laborer.
Keefe, John J., 200 Cross St., salesman.
Keefe, John J., 85 Hall St., painter.
Keegan, John L., 22 Ellsworth St., printer.
Kehoe, John J., 24 Robert St., salesman.
Keenan, William H., 125 Branch St., restaurant proprietor.
Kelley, Bernard J., 1 Dracut St., mason.
Kelley, Edward L. V., 37 Alder St., clerk.
Kelley, James Francis, 29 Ash St., operative.
Kelley, John, 229 Perry St., manager.
Kelley, William, 580 Gorham St., laborer.
Kelly, Frank J., 180 Grand St., repairer.
Kelly, Michael F., 263 Fayette St., card stripper.
Kelley, Paul J., 33 Fifth Ave., mail carrier.
Kelly, William J., 57 Marshall St., polisher.
Kennedy, Frederick J., 166 Shaw St., shipping clerk.
Kennedy, James F., 103 Read St., salesman.
Kennedy, James J., 196 Merrimack St., retired.
Kennedy, Patrick, 111 Agawam St., laborer.
Kennedy, Timothy, 19 Dracut St., laborer.
Kennedy, William F., 24 O'Connell St., freight handler.
Kennedy, William L., 308 High St., at home.
Kenney, James L., 108 Jenness St., florist.
Kernan, John W., 295 Appleton St., supt.
Kershaw, Wilfred, 41 Aberdeen St., musician.
Kierce, Francis, 18 Inland St., foreman.
Kierce, Michael, 71 Fort Hill Ave., wool sorter.
Kiernan, Patrick F., 35 Ludlam St., loomfixer.
Kiernan, Patrick F., 44 First St., plush weaver.
Kiggins, John R., 162 Agawam St., clerk.
Kilbride, Patrick J., 14 Stanley St., machinist.
Kilkenney, John H., 18 Cedar St., salesman.
Killeen, John P., 60 Willow St., real estate broker.
Killooy, John F., 418 Fletcher St., machinist.
Kilmartin, Michael F., 62 Highland Ave., gardener.
Kirane, George A., 36 Hildreth St., leather worker.
Kirane, William H., 320 Thorndike St., shipper.
Kittell, John, 292 Fairmount St., machinist.
Knapp, Oliver L., 28 Rutland St., salesman.
Knight, Edwin, 185 Grand St., garage keeper.
Koitrass, Theodore, 340 Market St., barber.
Kolofolias, Elias J., 176 Adams St., student.
Kourkoulakos, James, 451 Adams St., insurance.

Madden, John F., 38 Keene St., steamfitter.
Madden, John James, 128 Mt. Washington St., shoemaker.
Maguire, Charles L., 55 Grove St., painter.
Maguire, Hugh, 459 Beacon St., filling station.
Maguire, James, 25 Whipple St., weaver.
Maguire, John J., 120 Fayette St., watchman.
Maguire, Joseph H., 77 West Sixth St., elec. manager.
Maguire, Thomas E., 21 Du Merle St., bricklayer.
Maguire, Thomas F., 49 Union St., painter.
Mahan, Joseph A., 16 Ellsworth St., cable splicer.
Maher, Francis M., 92 12th St., steamfitter's helper.
Maher, William A., 68 West Third St., laborer.
Mahon, John F. M., 20 Cedar St., laborer.
Mahon, John, 4 Weed St., printer.
Mahoney, Daniel J., 52 Albion St., operative.
Mahoney, John P., 37 Laurel St., real estate.
Mahoney, Joseph J., 65 St. James St., clerk.
Mahoney, Thomas, Jr., 46 Butterfield St., clerk.
Maille, Edmond J., 161 Ennell St., steamfitter.
Maloney, Darby, 229 Adams St., salesman.
Maloney, John J., 37 Fort Hill Ave., barber.
Maloney, William R., 37 Fort Hill Ave., clerk.
Mangan, Albert P., 16 Stanley St., motorman.
Mann, Thomas, 24 Walnut St., paver.
Manning, James A., 13 Fourth St., merchant.
Marchand, George E., 396 Pine St., accessory dealer.
Marchand, George J., 10 Second Ave., storekeeper.
Marcotte, Charles, 36 Gardner Ave., machinist.
Marcotte, Wilfred J., 44 W. Fifth St., shoe cutter.
Marsden, Allen, 48 Sixth St., clerk.
Markham, Michael J., 78 Chauncey Ave., retired.
Martin, Charles D., 28 Wamesit St., dyer.
Martin, Daniel E., 212 Cross St., accountant.
Martin, John T., 38 First St., carpenter.
Mauchan, John F., 38 Pinehill St., sub. letter carrier.
McAfee, Thomas, 305 Concord St., laborer.
McArdle, Owen, 102 Manchester St., iron molder.
McAulay, Adam, 242 Hildreth St., baggage master.
McCabe, Bernard C., 93 West Sixth St., clerk.
McCabe, John Joseph, 88 Andrews St., laborer.
McCabe, John P., 236 Suffolk St., shipper.
McCabe, Thomas J., 762 Broadway, paper cutter.
McCaffrey, John J., 14 Dunfey St., fireman.
McCaffrey, Joseph M., 50 Andrews St., weaver.
McCann, John J., Jr., 90 Beech St., asst. pro. manager.
McCartin, Patrick, 11 Waverley Ave., street car operator.
McCarthy, Charles J., 14 Edson St., pro. dealer.

McCarthy, Daniel J., 32 Willie St., chauffeur.
McCarthy, John P., 629 East Merrimack St., machinist.
McCarthy, William H., 405 Broadway St., paper hanger.
McCarthy, Timothy F., 28 Butterfield St., master printer.
McCarty, John H., 164 Concord St., machinist.
McColough, Edward J., 174 Crosby St., salesman.
McCusker, James J., 981 Central St., operator.
McDermott, Bernard F., 190 Fayette St., laborer.
McDermott, Thomas P., 11 Huntington St., clerk.
McDonagh, Michael A., 92 Prince St., retired.
McDonough, John W., 15 Griffin St., laborer.
McFadden, Frederick, 82 Agawam St., leather worker.
McFadden, John J., 82 Agawam St., leather worker.
McGadden, John J., 58 Maple St., sub. letter carrier.
McGarrell, Patrick J., 57 Loring St., moulder.
McGee, Henry J., 84 Belrose Ave., stock clerk.
McGillian, Charles S., 99 Andrews St., proprietor.
McGinn, Edward J., 20 West Adams St., packer.
McGlinchey, John, 1015 Gorham St., gardener.
McGlinchey, Patrick F., 1015 Gorham St., shoe worker.
McGowan, Hugh M., 34 Lyon St., weaver.
McGowan, Frank A., 36 Varney St., cloth folder.
McGrail, Thomas P., 131 Jewett St., spinner.
McGrail, Sylvester J., 131 Jewett St., clerk.
McGrath, James J., 205 High St., watchman.
McGrath, James M., 9 Barclay St., teamster.
McGrath, Lawrence, 31 Sargent St., clerk.
McGrath, Michael J., 46 Main St., teamster.
McGrath, Patrick J., 59 Starbird St., stonemason.
McGreevy, Eugene E., 216 Foster St., laborer.
McGuire, Peter J., 64 Andrews St., stock clerk.
McGurn, Francis H., 110 South Walker St., machinist.
McHugh, Frank H., 702 Gorham St., P. O. clerk.
McHugh, James A., 74 Fulton St., fixer.
McInerney, Edward H., 15 Alder St., machinist.
McKenna, Francis G., 17 Pinehill St., clerk.
McKenna, John J., 89 Temple St., clerk.
McKenzie, Herbert J., 140 Methuen St., chauffeur.
McKeon, Edward P., 33 West Fifth St., lineman.
McKewin, Geo. E., 51 Lane St., machinist.
McKiernan, George, 44 Prospect St., laborer.
McKiernan, Patrick, 14 Fort Hill Ave., mason.
McKinley, Edward, 43 Sutherland St., pro. clerk.
McKinley, John, 29 Burt St., collector.
McLaughlin, John E., 56 Fourth St., steam fitting.
McLaughlin, Joseph F., 22 Burnside St., mechanic.
McMahon, Arthur P., 452 Chelmsford St., salesman.

McMahon, Edward, 539 Chelmsford St., clerk.
McMahon, Frank, 4 Keelan's Place, laborer.
McMahon, Jeremiah F., 19 South Whipple St., line man.
McMahon, Francis P. Jr., 145 Cross St., proprietor.
McMahon, Joseph J., 452 Westford St., overseer.
McManus, Patrick, 49 French St., cement finisher.
McManus, Robert T., 16 Methuen St., car operator.
McMenimon, John B., 98 South St., mattress maker.
McMullen, James, 136 Bowers St., timer.
McMullen, John J., 1036 Central St., machinist.
McNabb, Daniel J., 30 Rock St., sample cutter.
McNabb, Frank J., 201 Cross St., rec. clerk.
McNabb, John J., 39 Fourth Ave., clerk.
McNamara, James F., 142 Myrtle St., real estate.
McNamara, Joseph, 25 West Fifth Ave., ice man.
McNamara, Peter, 33 Mead St., ins. broker.
McNamara, William F., 25 West Fifth Ave., auto mechanic.
McNamee, Arthur L., 147 Rogers St., P. O. clerk.
McNeill, Harry L., 37 West Fifth St., laborer.
McNiff, Michael Hugh, 33 Bourne St., electrician.
McNiff, Patrick Leo, 31 Clark St., plumber.
McOsker, John J., 12 Andrews St., adv. solicitor.
McPadden, John, 19 Myrtle St., asst. supt.
McParland, James J., 93 West Union St., laborer.
McPhail, John, 63 Hastings St., foreman.
McPherson, John, 113 Fulton St., shipper.
McPherson, William J., 69 Agawam St., machinist.
McPhillips, James, 267 Worthen St., weaver.
McPolin, James Louis, 27 Fulton St., laborer.
McPolin, John L., 117 Fulton St., nickle plater.
McQuade, Hugh B., 9 Shedd St., operative.
McQuaid, John C., 127 Rogers St., stock clerk.
McShea, Austin H., 60 West Sixth St., salesman.
McSorley, Richard J., 14 Webster Ave., jig hand.
McVey, John J., 484 Wilder St., lather.
McVey, John T., 73 Crescent St., steam fitter.
Meehan, John F., 252 Fletcher St., unemployed.
Meister, Victor H., 18 Windsor St., clerk.
Mellen, Alvah L., 91 Beech St., clerk.
Mello, Manuel P., 65 West Forest St., barber.
Merrill, Herbert A., 2 Wachusett St., retired.
Meunier, Arthur, 193 Fletcher St., wood worker.
Meunier, Frederick, 16 Wiggin St., teamster.
Michalides, Michael, rear 10 Lagrange St., plumber.
Midwood, Charles N., 484 Rogers St., plumbing inspector.
Miller, Joseph A., 52 South Whipple St., ins. salesman.
Miller, Joseph, 224 Foster St., tel. engineer.

Miles, Charles, 495 Varum Ave., florist.
Mills, John H., 17 Rose Ave., retired.
Milot, Napoleon E., 190 White St., nurse.
Miner, Richard Joseph, 1192 Middlesex St., size maker.
Miskell, John P., 138 Cross St., yard clerk.
Miskell, Leo F., 138 Cross St., bookkeeper.
Mitchell, William E., 61 Corbett St., die maker.
Moffett, Patrick J., 7 Dewey Ave., upholsterer.
Moir, John S., 342 Mammoth Road, optometrist.
Mollahan, Leo A., 24 Ash St., clerk.
Moloney, James J., 66 So. Whipple St., printer.
Moloney, Patrick, 31 Cedar St., teamster.
Molloy, John J., 154 Jewett St., weaver.
Molloy, William H., 138 Cross St., carpenter.
Monahan, John J., 4 Sargent St., tool maker.
Monahan, Patrick, 170 Crawford St., machinist.
Monahan, Owen A., 567 Stevens St., city messenger.
Monahan, Patrick R., 38 West Fifth St., oiler.
Monoghon, Francis O., 60 Keene St., clerk.
Monoghan, William, 260 Fletcher St., unemployed.
Moody, Percy H., 89 Eighteenth St., electrician.
Mooney, John J., Sr., 1401 Gorham St., leather worker.
Moran, Arthur, 2 Davis Terrace, trainman.
Moran, Edward Joseph, 759 Broadway St., sta. fireman.
Moran, John T., 38 West Fifth St., dresser tender.
Moreau, Leo J., 45 West St., motorman.
Morgan, John Joseph, 370 Lincoln St., iron worker.
Moriarty, Daniel F., 783 Lawrence St., legislator.
Moriarty, John M., 71 Agawam St., U. S. C. Co.
Morin, Ulric, 56 Second Ave., loomfixer.
Morrell, Harry E., 7 Coral St., motorman.
Morris, Bernard L., 39 West L. St., teamster.
Morrison, Harry A., 31 Dana St., line man.
Morrison, Nathan H., 11 Hawthorne St., machinist.
Morrow, Warren D., 72 Chestnut St., teamster.
Morse, Charles H., 309 Princeton Bld., salesman.
Moulton, Nathan C., 217 Westford St., clerk.
Mower, Leo T., 29 Rhodora St., publisher.
Moynahan, Richard T., 1070 Middlesex St., piper helper.
Muldoon, James F., 734 School St., machinist.
Muldoon, Thomas F., 40 Humphrey St., leather worker.
Mullane, Dennis F., 163 Agawam St., machinist.
Mullane, Timothy, 40 Linden St., operative.
Mullen, Bernard L., 8 Everett St., attendant.
Mulligan, Eugene Owen, 231 School St., helper.
Mulligan, John, 18 Cross St., city laborer.
Mulligan, Patrick, 231 School St., machinist.

Mullin, James Leo, 123 Lawrence St., finisher.
Mullin, John, 116 Chapel St., operative.
Mullin, John S., 75 Moore St., foreman.
Mullin, Leo Joseph, 19 Fernald St., railroad worker.
Mullin, Patrick, 84 Chapel St., janitor.
Mulvey, Edward, 6 Bernice Ave., compositor.
Mulvey, George, 3 West 11th St., paper cutter.
Murphy, Edward F., 56 Manchester St., machinist.
Murphy, George B., 18 Walnut St., plumber.
Murphy, George P., 172 Grand St., weaver.
Murphy, John M., 28 Agawam St., clerk.
Murphy, Leo S., 1055 Gorham St., accountant.
Murphy, Michael H., 43 Auburn St., janitor.
Murphy, Michael J., 24 Suttle Ave., laborer.
Murphy, Patrick C., 6 Joiners Court., woolen worker.
Murphy, Patrick J., 191 Crosby St., engineer.
Murphy, Peter L., 31 Potter St., laborer.
Murray, Florence F., 18 Dempsey Place, laborer.
Murray, James F., 81 West 4th St., clerk.
Murray, John J., 19 Richmond St., laborer.
Murray, Martin, 30 Cosgrove St., operator.
Murtagh, Richard Joseph, 237 Broadway St., laborer.
Myron, John A., 9 Crescent St., metal worker.
Myron, John, 196 Wilder St., furniture dealer.
McLean, Frank E., 223 Liberty St., reporter.
Morrison, William H., 15 Madison St., laborer.
Mulligan, John J., 42 Bartlett St., letter carrier.
Myers, George, 28 Whipple St., laborer.

N

Nadeau, Alfred, 733 Middlesex St., clerk.
Nadeau, Liboire E., 8 Butterfield St., machinist.
Neeson, John Joseph, 213 Cross St., unemployed
Neild, Charles Thomas, Jr., 49 Fay St., auto mechanic.
Nerney, Owen A., 46 Dana St., cable splicer.
Newhall, William F., 1 Clinton Ave., ins. agent.
Nichols, Charles F., 74 Chauncey Ave., pressman.
Nichols, Henry J., 338 Varnum Ave., gardener.
Noble, Thomas, 108 Andrews St., corduroy examiner.
Nolan, Joseph P., 11 Crowley St., ins. agent.
Noonan, George J., 21 Frothingham St., linotype operator.
Noonan, James J., 39 West 5th St., letter carrier.
Noonan, Peter F., 45 By St., operative.
Noonan, Thomas M., 16 Fort Hill Ave., ins. agent
Normandin, Charles, 13 Westford St., clerk.

Normandin, Doria A., 264 Varnum Ave., clerk.
Normandin, Gustave E., 264 Varnum Ave., manager.
Normandy, William Leo, 650 Broadway St., painter.
Novell, Clifford T., 542 Moody St., knitter.
Nugent, Austin W., 34 Coburn St., unemployed.
Nugent, Christy, 78 W. 4th St., overseer.
Nugent, George F., 34 Coburn St., gardener.

O

O'Brien, Austin P., 91 West St., shoe worker.
O'Brien, Charles T., 59 Bartlett St., asst. operator.
O'Brien, Frank, 280 E. Merrimack St., second hand.
O'Brien, Frank P., 32 Hudson St., operative.
O'Brien, Henry W., 62 Parkview Ave., salesman.
O'Brien, James J., 320 Thorndike St., unemployed.
O'Brien, James J., 973 Central St., shoe cutter.
O'Brien, John Edward, 519 Broadway, pharmacist.
O'Brien, John H., 93 Blossom St., leather worker.
O'Brien, Michael F., 85 Beech St., yard brakeman.
O'Brien, Michael F., 62 W. 3rd St., laborer.
O'Brien, Michael J., 54 So. Walker St., chauffeur.
O'Brien, Patrick J., 7 Porter St., foreman.
O'Brien, Thomas M., 5 West 11th St., laborer.
O'Brien, Walter J., 27 Harrison St., cloth cutter.
O'Brien, William P., 3 L St., laborer.
O'Callahan, John J., 30 Whipple St., laborer.
O'Callahan, Patrick S., 30 Whipple St., carpenter.
O'Connell, Daniel J., 171 High St., starcher.
O'Connor, Daniel J., 161 Salem St., bank clerk.
O'Connor, James P., 53 Osgood St., ins. agent.
O'Connor, John J., 161 Salem St., clerk.
O'Connor, Leo D., 126 London St., unemployed.
O'Connor, Maurice, 36 Canton St., caulker.
O'Connor, Thomas F., 823 Lawrence St., real estate.
O'Dea, James L., 37 B St., post office.
O'Dea, Michael J., 226 Fletcher St., machinist.
O'Donnell, James John, 10 Howe St., auto mechanic.
O'Donnell, John Francis, 10 Howe St., carpenter.
O'Donnell, John Joseph, 70 Boylston St., chauffeur.
O'Donnell, John S., 30 Fort Hill Ave., janitor.
O'Donnell, Martin, 3 Concord Place, janitor.
O'Donoghue, Thomas M., 259 South St., watchman.
O'Flahavan, James T., 62 Colonial Ave., real estate.
O'Hagan, Joseph J., 82 Gorham St., watchman.
O'Hara, Daniel E., 137 Foster St., foreman.

O'Hara, Martin, 2 Glidden Ave., twister.
O'Heir, Oswald, 181 11th St., manager.
O'Keefe, Frank J., 155 Stackpole St., operative.
O'Loughlin, James J., 18 Walnut St., grocer.
O'Loughlin, Jeremiah J., 76 Chapel St., asst. manager.
O'Loughlin, John J., 138 Grove St., meat cutter.
O'Loughlin, John Francis, 38 Kinsman St., laborer.
O'Loughlin, Joseph P., 467 Merrimack St., cloth man.
O'Loughlin, Michael, 23 Dunfey St., laborer.
Olsen, Norman, 119 B St., bank clerk.
O'Malley, John J., 493 Gorham St., cloth inspector.
O'Neil, Edward J., 39 W. 9th St., shipper.
O'Neil, Frank J., 50 Puffer St., laborer.
O'Neil, Jeremiah J., 22 Dutton St., undertaker.
O'Neil, John J., 263 Concord St., manager.
O'Neil, John J., 29 Lupine Road, weaver.
O'Neil, John Joseph, 73 Fletcher St., stock clerk.
O'Neil, John Joseph, 187 Mammoth Road, watchman.
O'Neil, Peter, 120 Bowden St., carpenter.
O'Neil, Timothy J., 57 Tolman Ave., bottler.
O'Neill, Francis, 9 Whipple St., laborer.
O'Neill, Francis A., 222 High St., salesman.
O'Neill, John E., Jr., 478 Gorham St., moulder.
O'Neill, John J., 9 Phillips St., unemployed.
O'Neill, Peter J., 289 Concord St., watchman.
O'Neill, William J., 9 Cedar St., fuel dealer.
O'Rourke, Terrence, 26 Dunfey St., laborer.
O'Shea, Richard H., 82 Pleasant St., salesman.
Osterhout, Fred S., 76 Gates St., manager.
O'Sullivan, Timothy F., 195 Cross St., retired.
O'Toole, Arthur, 21 East Merrimack St., chauffeur.
O'Toole, James T., 1057 Gorham St., operative.
O'Toole, John, 512 Gorham St., meat cutter.
Ouellette, Wilfred, 199 Grand St., foreman.
Overton, James, 37 Inland St., retired.
Owens, Daniel J., 50 Crosby St., manager.
Owens, John, 126 Adams St., laborer.

P

Palm, John S., 25 Fay St., machine sorter.
Palmer, G. Buel, 239 Wentworth Ave., manufacturer.
Paquette, Donat, 3 Burrill Place, teamster.
Paris, Arthur H., 156 Branch St., foreman.
Parmentier, Joseph, 109 Lilley Ave., asst. supt.

Payette, Adelard, 20 Pawtucket St., janitor.
Payette, Adelard, 20 James St., retired.
Peltier, Wilfred, 216 Hildreth St., manager.
Pettigrew, Charles L., 392 Princeton Blvd., retired.
Perkins, Stuart, 75 Howard St., barber.
Perry, Joseph P., 124 A St., B. & M. railroad.
Phaneuf, Elphege A., 72 Riverside St., printer.
Phelps, Thomas J., 692 Stevens St., salesman.
Phornare, Anthony, 35 Burns St., real estate.
Picard, Victor Louis, 8 Dracut St., shoe cutter.
Pihl, Andrew J., 15 Puffer St., toolmaker.
Pihl, Arthur E., 11 Puffer St., electrician.
Pinkham, Charles E., 48 Bellevue St., claim adjuster.
Plunkett, Francis D., 61 Ludlam St., machinist's helper.
Pollard, Patrick, 17 Rogers St., gate tender.
Pooler, John Edwin, 53 Sidney St., foreman.
Potter, Fred, 384 Beacon St., compositor.
Potter, Richard W., 686 Stevens St., overseer.
Potter, Robert C., 527 Stevens St., garage prop.
Powers, Edward J., 126 Bowers St., manager.
Powers, John W., 123 Butman Road, fireman.
Powers, Thomas J., 661 Chelmsford St., motorman.
Pratt, Murray H., 328 Wilder St., unemployed.
Preston, Edmund A., 17 Gilbride Terrace, laborer.
Purtell, Arthur M., 93 Lane St., lunch cart.
Putnam Newell F., 50 Viola St., unemployed.

Q

Queenan, Luke F., 75 Third Ave., clerk.
Queenan, Patrick H., 44 Floyd St., foreman.
Quinlan, James J., 252 Middlesex St., st. car operator.
Quinn, Francis M., 97 Woodward Ave., machinist.
Quinn, Frank J., 94 Fort Hill Ave., leather worker.
Quinn, John Joseph, 8 Marsh St., laborer.
Quinn, Joseph F., 77 Varney St., repairer.
Quinn, Michael J., 11 Eighth St., electrician.
Quinn, Thomas F., 34 Weed St., janitor.
Quinn, Thomas Henry, 94 Fort Hill Ave., electrotyper.
Quinn, Thomas L. F., 34 Weed St., clerk.
Quinn, William H., 8 Marsh St., photographer.
Quinn, William J., 947 Bridge St., oiler.
Quirk, Maurice P., 102 Pleasant St., operative.

R

Racicot, Leo F., 35 Bartlett St., machine operator.
 Ralls, Andrew, 173 High St., laborer.
 Ralls, James, 111 Grand St., operative.
 Ralls, Thomas Francis, 173 High St., dis. representative.
 Ralls, Thomas J., 37 Bartlett St., leather worker.
 Rayball, Michael J., 20 Grove St., teamster.
 Raygan, William D., 22 Ash St., printer.
 Ready, Ernest James, 221 Hildreth St., clerk.
 Ready, Joseph S., 21 Court St., leather worker.
 Ready, William James, 13 Fay St., mill operative.
 Reardon, Thomas F., 47 Claire St., laborer.
 Redding, Frank J., 73 Fletcher St., shoe worker.
 Regan, John E., 41 Remington St., manager real estate.
 Regan, Patrick J., 217 Liberty St., st. car operator.
 Regan, Thomas F., 24 Hastings St., foreman.
 Regan, William, 19 Juniper St., machinist.
 Regan, William F., 1055 Gorham St., artificial limb mfg.
 Reidy, Patrick J., 26 Saratoga St., leather worker.
 Renaud, Raymond A., 15 Grand St., counter man.
 Reynolds, Henry, 37 Marlborough St., blacksmith.
 Reynolds, James H., 38 Rutland St., water works.
 Reynolds, Michael J., 17 Ash St., machinist.
 Rhodes, Albert A., 151 Summer St., clerk.
 Ricard, Wilmer R., 161 Mt. Vernon St., jeweler.
 Richard, Frederick E., 200 Cross St., shoe worker.
 Richards, George F., 24 Sycamore St., automobile mechanic.
 Richards, James P., 24 Sycamore St., shipping clerk.
 Richards, Raymond A., 29 Frothingham St., printer.
 Richardson, Philip A., 142 Bellevue St., reporter.
 Riley, Charles, 65 Chestnut St., smoke inspector.
 Riley, Daniel, 2 Bolton Place, cloth inspector.
 Riley, James F., 22 Ash St., cornice worker.
 Riley, James Francis, 177 Grand St., junk collector.
 Riley, John, 15 Robinson St., stock clerk.
 Riley, John J., 41 Blossom St., grocer.
 Riley, Joseph A., 9 May St., bank teller.
 Riley, Michael T., 878 Chelmsford St., store helper.
 Riordan, William F., 3 Dover St., sales conductor.
 Roach, Bernard F., 7 Carter St., paver.
 Roach, John E., 27 Chapel St., retired.
 Roark, Daniel, 121 Willie St., clerk.
 Roark, Hugh J., 459 Broadway St., laborer.
 Roark, James F., 195 School St., unemployed.
 Roark, Patrick J., 362 Broadway St., gardener.
 Roark, Thomas Edward, 257 Fayette St., contractor .

Roarke, James F., 538 Moody St., chauffeur.
Roarke, Frank J., 7 Rockdale Ave., machinist.
Robert, Dolphis J., 14 Gardner Ave., laborer.
Roberts, George M., 74 Fay St., wood dealer.
Roberts, John Joseph, 147 Meadowcroft St., weigher.
Robertson, Abel P., 75 Smith St., retired.
Robidoux, Charles A., 29 Bowers St., leather worker.
Rochette, Ralph A., 730 Merrimack St., insurance broker.
Rochette, Victor N., 730 Merrimack St., medicine.
Rogers, James H., 563 Bridge St., optometrist.
Rogers, John Thomas, 384 Concord St., janitor.
Rogers, George H., 1067 Bridge St., machinist.
Rogers, Peter H., 149 Concord St., floorman.
Rogers, Warren H., 58 Walnut St., Lowell Dye Works.
Rohan, John J., 73 Fletcher St., clerk.
Rohan, Timothy J., 73 Fletcher St., velvet cutter.
Ronan, William H., 139 Concord St., machinist.
Rostler, Bennie, 136 Lilley Ave., grocer.
Rountree, Alexander, 173 Nesmith St., salesman.
Rourke, Andrew S., 91 Adams St., laborer.
Rourke, Bernard F., 477 Parker St., plumber.
Rourke, Frank, 7 Puffer Ave., laborer.
Rourke, George A., 824 Central St., wool comber.
Rourke, James Edward., 120 Chapel St., driver.
Rourke, James F., 148 B St., laborer.
Rourke, John C., 477 Parker St., real estate.
Rourke, John J., 37 Bartlett St., sta. fireman.
Rourke, Patrick, 38 Shedd St., motorman.
Rourke, Michael Joseph, 643 Broadway, machinist.
Roussel, Marcel, 77 Ludlam St., grocer.
Roy, Joseph A., 47 Barasford Ave., carpenter.
Roy, Serge A., 14 Wannalancit St., clerical work.
Russell, Leslie E., 26 Ash St., painter.
Rutledge, Robert J., 389 High St., salesman.
Ryan, Edward Francis, 12 Linden St., leather worker.
Ryan, John Joseph, 45 Barrington St., metal polisher.
Ryan, Michael A., 24 Mill St., weaver.
Ryan, Peter, 13 Sycamore St., lamp lighter.
Ryan, Peter, 100 Willie St., sheet metal worker.
Ryan, Thomas Francis, 100 Willie St., operative.
Ryan, Thomas J., 24 Linden St., machinist.

S

Sadlier, William Francis, 385 Gorham St., sub. sta. installer.
Salmon, John F., 96 Coburn St., store manager.
Salome, Frank R., 45 Sayles St., auto mechanic.

Salvas, Jean Baptiste, 13 Pawtucket St., merchant.
Santos, Joseph M., 12 Puffer St., drug clerk.
Saunders, Edward J., 403 Andover St., real estate.
Saunders, Francis L., 333 Princeton St., instrument man.
Saunders, James P., 27 Waugh St., salesman.
Savage, James P., 99 Fourth Ave., painter.
Sayers, Thomas J., 54 Harvard St., supt.
Scanlon, Jeremiah, 225 Cheever St., unemployed
Scanlan, Thomas, 38 Fremont St., salesman.
Scannell, Richard J., 11 Shaffer St., unemployed.
Scott, John E., 31 Paige St., manager.
Scott, William, 31 Paige St., dealer.
Scullion, Edward F., 14 Weed St., cable splicer.
Scully, Joseph H., 331 Walker St., clerk.
Secor, Joseph Raymond, 436 School St., counterman.
Secord, Freeland, 3 rear 49 Wilder St., teamster.
Shanahan, Daniel, 118 Adams St., prop.
Shanahan, Edward F., 343 Broadway, piper.
Shanley, William J., 16 Second St., health dept.
Sharkey, George A., 137 Stackpole St., switchboard operator.
Sharkey, John F., 59 Lundberg St., chauffeur.
Shaughnessy, John, 303 East Merrimack St., letter carrier.
Shaughnessy, Thomas J., 79 Fremont St., laborer.
Shea, Cornelius J., 51 Keene St., city weigher.
Shea, Daniel F., 23 Emery St., brakeman.
Shea, Dennis F., 84 Bridge St., salesman.
Shea, Edward J., 186 Mammoth Road, contractor.
Shea, John J., 2-70 Andrews St., salesman.
Shea, Patrick, 18 Lawson St., fireman.
Shea, Patrick F., 186 Mammoth Road, unemployed.
Shea, Patrick P., 1180 Gorham St., iron worker.
Shea, William F., 24 Prospect St., trackman.
Sheahan, Dennis F., 21 Walnut St., attendant.
Sheahan, Thomas A., 1210 Gorham St., grocer.
Sheehan, John D., 216 Thorndike St., teamster.
Sheehan, John P., 204 Moore St., woolen spinner.
Sheehan, Michael F., 136 Foster St., overseer.
Sheehan, Patrick Joseph, 119 Main St., operative.
Sheehan, Thomas F., 107 Bowden St., plumber.
Sheehan, Thomas P., 46 Second Ave., foreman.

Sheehan, William H., 164 School St., watchman
Shepard, Walter, 18 Lane St., tree surgeon.
Sheridan, Matt J., 112 Butterfield St., plasterer.
Shields, John J., 120 Bartlett St., janitor.
Shunny, William, 35 Smith St., motorman.
Sicard, Napoleon, 92 Avon St., salesman.
Slattery, Thomas, 46 Tyler St., boilermaker.
Smith, Charles Daniel, 122 Carlisle St., die maker.
Smith, Edward J., 51 Brookings St., dealer.
Smith, Frank S., 14 Harding St., unemployed.
Smith, Howard D., 669 Westford St., chemist.
Smith, William F., 50 Bartlett St., laborer.
Solomon, Max J., 316 Princeton St., tailor.
Southam, Brook K., 57 Gates St., overseer.
Spaulding, Clarence L., 7 Bagley Ave., locomotive fireman.
Spellissey, John H., 35 Butler Ave., ledgeman.
Spence, William G., 54 Raven Road., treasurer.
Spencer, Robert T., 31 Bowden St., machinist.
Spillane, John Joseph, 28 Litchfield Terrace, drug clerk.
Stackpole, Arthur V., 640 Westford St., advertising solicitor.
Stancombe, Arthur Moses, 110 Andrews St., clerk.
Stanton, Raymond F., 1268 Middlesex St., auto salesman.
Staples, George H., 64 Georgia Ave., contractor.
Stead, Robert, 31 Bradstreet Ave., compositor.
St. George, William C., 241 Moore St., unemployed.
Stickney, Arthur H., 599 School St., proprietor.
St. Onge, Fred, 132 Branch St., laundry.
Story, Luther Allen, 31 Corbett St., machinist.
Stowell, Matthew J., 49 Cambridge St., salesman.
Sullivan, Cornelius Joseph, 44 Corbett St., leather worker.
Sullivan, Daniel J., 109 Liberty St., operative.
Sullivan, Fred A., 6 Birch St., chauffeur.
Sullivan, Henry J., 173 Mt. Vernon St., manager.
Sullivan, James Francis, 25 Smith St., clerk.
Sullivan, James J., 100 Willie St., laborer.
Sullivan, Jeremiah F., 809 Lawrence St., foreman.
Sullivan, John F., 140 Hampshire St., beamer.
Sullivan, John F., 12 Orford St., blacksmith's helper.
Sullivan, John J., 99 Andrews St., lugger.
Sullivan, John L., 250 Rogers St., display manager.

Sullivan, John M., 638 Broadway St., grocer.
Sullivan, Joseph Frederick, 82 Shaw St., machinist.
Sullivan, Michael H., 583 Bridge St., porter.
Sullivan, Michael M., 74 White St., landscape gardener.
Sullivan, Patrick J., 66 Willie St., laborer.
Sullivan, Raymond A., 224 Methuen St., clerk.
Sullivan, Thomas C., 1105 Middlesex St., st. ry. operator.
Sullivan, William H., 42 Forest St., secretary.
Sweeney, Charles R., 21 St. James St., clerk.
Sweeney, James A., 23 St. James St., machinist.
Sweeney, Joseph J., 27 Court St., wood dealer.
Sweeney, Patrick Henry, 13 Phillips St., overseer.
Swan, Russell, 12 Somerset St., clerk.
Sylvestre, Adelard, 72 Bowers St., store keeper.

T

Tardiff, Henry E., 168 School St., mechanic.
Tarrant, Edward J., 694 E. Merrimack St., barber.
Tarrant, Richard H., 27 State St., grocer.
Taylor, Cleon A., 26 Grace St., chauffeur.
Taylor, Frederick, 70 Chestnut St., laborer.
Taylor, Harry C., 12 Wachusett St., salesman.
Taylor, James B., 65 Ludlam St., insurance agent.
Teague, Edward B., 65 Pleasant St., woolen spinner.
Teague, Thomas L., 4 Butterfield St., clerk.
Teeson, Arthur S., 18 Crowley St., foreman.
Terry, Joseph H., 223 Hildreth St., wool sorter.
Tewksbury, Charles S., 352 Walker St., machinist.
Thibeault, Harvey, 855 Central St., loomfixer.
Thissell, Albion Raymond, 259 Methuen St., fireman.
Thomas, Edward, 272 Merrimack St., salesman.
Thompson, Frank A., 27 Alder St., leather worker.
Tierney, Martin T., 20 Grove St., laborer.
Tierney, Patrick, 15 Auburn St., operative.
Tighe, John Joseph, 989 Central St., machinist.
Tivnan, Martin, 62 Huntington St., caretaker.
Thiboudeau, Armand J., 61 Mt. Washington St., foreman.

Toohy, Frank, 88 Chelmsford St., car man.
Toohy, Patrick Joseph, 357 Lakeview Ave., piper.
Topjian, George K., 31 Grace St., merchant tailor.
Townsend, Richard J., 47 Swift St., leather worker.
Trask, William Henry, 28 Manchester St., storeroom keeper.
Tremblay, Onesime, 759 Merrimack St., leather worker.
Trudeau, Harvey, 768 Lakeview Ave., barber.
Tryon, James W., 13 Dutton St., metal finisher.
Tsaffaras, Peter, 22 Varney St., real estate.
Tully, Bernard A., 24 Light Ave., plumber.
Tully, James V., 9 Sixth Ave., coremaker.
Tully, John C., 134 Coburn St., smoker of hams.
Tully, Owen, 234 Appleton St., blacksmith.
Tully, Timothy M., 41 Ellis Ave., laborer.
Turcotte, Arthur L., 553 Fletcher St., clerk.
Tuttle, Frederick A., 805 Andover St., retired.
Tuttle, Howard W., 44 Oakland St., chauffeur.
Tyler, William H., 30 Epping St., orchardist.

V

Vanasse, Francois I., 213 White St., blacksmith
Vaughan, Edward A., 242 W. London St., chief clerk.
Vaughan, Thomas Francis, 76 S. Whipple St., asst. night for'm'n.
Vaughan, Timothy, 115 Blossom St., line man.
Vigeant, Conrad A., 50 Mt. Vernon St., machinist.
Vigeant, Timothy J., 846 Moody St., clerk.
Vurgaropulos, Constantine. 21 Gold St., grocer.

W

Wahlgren, Ernest A., 238 W. London St., painter.
Walker, Hugh G., 18 Pihl St., clerk.
Walsh, John Joseph, 230 Concord St., printer.
Ward, John J., 1081 Middlesex St., box maker.
Ward, Patrick F., 113 Blossom St., machinist.
Waters, Daniel J., 38 Liberty St., laborer.
Watson, Alfred, 15 Norcross St., retired.

Webb, John J. L., 174 Broadway St., inspector
Webster, Orrin H., 251 Foster St., salesman.
Ward, Lester J., 326 Concord St., steamfitter.
Welch, Edward Alexis, 129 Hampshire St., starter.
Welch, Eugene F., 64 Pleasant St., leather worker.
Welch, Gayton F., 6 Favor St., manager.
Welch, William J., 64 Pleasant St., glazer.
Weston, Charles F., 32 Colonial Ave., leather worker.
Whalen, Daniel A., 22 Ash St., clerk.
Whalen, Joseph Francis, 64 W. 6th St., machinist
White, Frank P., 940 Central St., salesman.
White, William J., 38 So. Loring St., blacksmith.
Whittier, Fred C., 56 18th St., overseer.
Widen, Peter R., 56 Weed St., unemployed.
Wilder, Richard F., 26 Grace St., salesman.
Willman, Clarence T., 13 Olive St., dyer.
Williamson, Isaac F., 255 Thorndike St., dyer.
Wilson, Albert, 684 Chelmsford St., computer.
Winn, James Robert, 160 Andrew St., leather worker.
Winn, John J., 29 So. Whipple St., mattress worker.
Winters, Theodore Emmett, 18 Lane St., clerk
Woodward, Warren S., 93 Forest St., bookkeeper.
Wrenn, Daniel J., 75 Fremont St., dresser tender.
Wrenn, Patrick, 173 School St., janitor.
Wylie, Raymond L., 2 Coburn Place, plush weaver.

Y

Yeomans, Herbert D., 34 Burgess St., clerk.

LOWELL ELECTION COMMISSION.

ANNUAL REPORT
OF THE
Police Department
OF THE
CITY OF LOWELL
MASSACHUSETTS



1927

ANNUAL REPORT

City of Lowell, Jan. 1, 1928.

Hon. Thomas J. Corbett, Mayor
and the City Council of the City of Lowell,
Lowell, Mass.

Gentlemen:

Herewith is transmitted a report of the activities of the Lowell Police Department for the administrative year ending December 31, 1927.

Respectfully yours,

HUGH DOWNEY,
Superintendent of Police.

ROSTER OF LOWELL POLICE DEPARTMENT

Superintendent: Hugh Downey.

Deputy Superintendent: Alexander Duncan.

Captains: David Petrie, George B. Palmer, Michael Winn.

Lieutenants: Martin Connors, Patrick J. Frawley, John Freeman,
Martin A. Maher, James J. Kennedy, Samuel J. Bigelow, Philip
Dwyer, Peter P. McManmon.

Sergeants: Joseph H. Johnson, Thomas McCloughry, Hugh Maguire,
Edward J. Connors, Frank L. Maloney, William L. Keegan,
Patrick Sullivan, Charles S. Sharkey.

Inspector: John A. Walsh.

PATROLMEN

Aldrich, Clyde R.	Dwyer, Timothy J.	Lynch, John F.
Bagley, Patrick H.	Fanning, John J.	Mahan, John W.
Barry, Charles	Farley, Joseph	Maloney, Myles P.
Begley, Timothy J.	Farris, Henry E.	Markham, James
Boyle, James	Flaherty, Patrick	Maroney, Thomas H.
Brennan, Daniel P.	Frechette, Henry J.	Marshall, Frank K.
Brennan, William J.	Furey, William J.	McBride, William F.
Brosnan, James F.	Ganley, John J.	McCall, Frederick O.
Burke, James E.	Garrity, James P.	McCann, James F., Jr.
Burns, James H.	Gennell, Charles J.	McCann, James E.
Burns, John	Gill, Matthew J.	McCann, Matthew J.
Carey, Francis J.	Gillis, John	McCloughry, Alexander
Castles, Stephen J.	Graham, John	McDonald, Wilfred J.
Cawley, Peter	Hamilton, Charles A.	McElroy, Samuel H.
Christo, Anthony	Hartley, Paul J.	McGreevey, Thomas H.
Clancy, John	Healey, John F.	McGuire, Charles E.
Clark, Anthony	Hessian, Thomas H.	McManus, John J.
Clark, John H.	Hickey, Michael	McNamee, John J.
Clark, Joseph A.	Hickey, Thomas F.	McNulty, John F.
Clark, Patrick B.	Hill, Edward E.	McNally, James R.
Conlon, John F.	Hogan, Daniel J.	McNally, John F.
Connolly, Michael	Hunter, Andrew W.	Mahoney, Timothy J.
Conolly, Patrick J.	Huse, John	Mahan, John W.
Connors, Michael J.	Judge, Bernard L.	Moloney, Thomas A.
Conroy, Patrick	Kelley, Arthur M.	Moore, Francis H.
Considine, James	Kelley, John T.	Morrison, James P.
Conway, Owen S.	Kiernan, Michael	Mulry, John J.
Conway, William E. J.	Killooy, Alfred J.	Mulvey, Robert T.
Cooney, Alfred J.	Killooy, William H.	Murphy, Frank H.
Cossette, Adelard	Kivlan, Walter L.	Murphy, Daniel F.
Craig, Patrick J.	Lamoureux, Joseph L.	Murphy, John E.
Creamer, Ambrose M.	Lane, Daniel W.	Murphy, John H.
Crowley, Robert C.	Lane, Simon	Murphy, William F.
Cullen, Jerome P.	Lapan, Louis W.	Nelson, Thomas J.
Cushing, Andrew H.	Lee, William G.	Nelson, William P.
Dillon, Charles	Leahy, John J.	Nickles, Walter F.
Doherty, William P.	Leavitt, Patrick F.	Noonan, James J.
Donovan, Daniel C.	Lemoine, Arthur F.	Noonan, Patrick F.
Donovan, Frank J.	Linane, John J.	Noye, Jose V. M.
Donovan, John J.	Liston, Edward J.	O'Connell, Michael
Dooley, Jeremiah J.	Liston, William F.	O'Connor, Timothy
Drewett, Arthur W.	Lynch, Daniel M.	O'Dea, Frank J.

O'Keefe, Cornelius
 O'Loughlin, Francis M.
 O'Neil, Michael J.
 O'Sullivan, Thomas P.
 Quinlan, William H.
 Ready, Francis E.
 Reardon, John
 Reagan, William H.
 Rourke, Michael
 Ruiter, Ara

Rynne, Michael F.
 Sayers, John T.
 Scully, John F.
 Shannon, Philip
 Shapiro, Morris
 Sheridan, Gilbert W.
 Sherry, Thomas J.
 Spillane, Paul M.
 Sullivan, Daniel J.
 Sullivan, Cornelius F.

Sullivan, Michael
 Swanwick, John W.
 Tansey, Owen J.
 Trudel, Isadore
 Turner, Louis J.
 Wallace, Charles G.
 Whelan, John T.
 Wilson, Wesley A.
 Wilson, William H.

SUPERNUMERARIES

Becht, Oscar C.
 Brennan, Harry C.
 Connaughton, Peter F.
 Craig, John F.
 Farley, Leo J.
 Farrell, Richard A.
 Finnegan, Frederick J.
 Furey, William F.
 Gallagher, Charles L.
 Gilbo, Bernard J.

Grady, George F.
 Haggerty, William T.
 Hurley, John M.
 Keefe, Edward F.
 Lyons, Arthur L.
 Kane, Francis L.
 Mann, Thomas A.
 Marshall, John J.
 Molloy, Martin A.
 Murphy, James W.

Murray, John J.
 McNiff, John J.
 Neault, William P.
 Sadlier, Charles P.
 Sims, Horace G.
 Sullivan, Cornelius R.
 Tarsa, Joseph F.
 Thompson, John T.
 Wood, James H.

EMPLOYEES

Foreman, Signal System: Joseph McDermott.

Wiremen: Harry A. Morrison, Robert G. Rutherford, Cornelius P. Lynch.

Operator: James H. Howard.

Foreman of Garage: Frederick A. Cotter.

Chauffeur Mechanic: Leo Hoban.

Chauffeurs: William G. Morse, James Moloney, James J. Lennon,
 Charles C. Brown, Claude R. McElroy, Charles O. Sullivan.

Stenographer: Lillie S. Cutler.

Charman: Jeremiah F. Leary.

Matron: Susan J. Lynch.

Police Women: Emily M. Skilton, Matilda J. Cronin, Emma V. DesForges.

The organization of the police department for the year 1927 was as follows: One Superintendent, one Deputy Superintendent, three Captains, five Lieutenants, eight Sergeants, one Inspector, three Police Women, one hundred sixty-one Patrolmen, twenty-nine Reserve Officers, one Foreman of signal System, three Wire Men, one Foreman of Garage, one Chauffeur Mechanic, six Chauffeurs, one Matron, one Stenographer, one Telegraph Operator, one Charman.

Population estimated 112,000, area 14.1 square miles. Accepted streets, 144.08, Unaccepted Streets, 73 miles. Appropriation for the year \$383,000.

REINSTATED

Feb. 16, 1927 Owen S. Conway, reinstated.
July 28, 1927 John W. Mahan, reinstated.

PENSIONED

Jan. 7, 1927 Hubert Goldrick, pensioned.
Feb. 1, 1927 Henry E. Deering, pensioned.
July 24, 1927 James H. Whitworth, pensioned.

RESIGNED

June 17, 1927 Edward Hayes, resigned.
Aug. 14, 1927 David J. Welsh, resigned.

NECROLOGY

Feb. 5, 1927 Frank B. Ealy, pensioner, died. Born at Wethersfield, Vt., May 3, 1863. He was appointed to the Probationary force March 19, 1901. Promoted to regular force Dec. 2, 1902. Retired on pension April 1, 1924.

May 13, 1927 Thomas F. Coleman, pensioner, died. Born in Lowell, Mass., Oct. 18, 1863. Entered the service Dec. 28, 1892. Appointed regular patrolman Dec. 21, 1894. Placed on pension roll Jan. 1, 1921.

STATISTICAL REPORT

OF THE

Lowell Police Department

JANUARY 1, 1927 TO DECEMBER 31, 1927

RECORD OF ARRESTS AGAINST PUBLIC ORDER — 1927

OFFENCE	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Total
Abortion					1		1						2
Accessory before fact					2								2
Adultery	4	2	4	1		2	2			2	2	2	21
Auto law, violating	16	8	44	42	64	91	110	68	64	60	55	24	646
Being present where gaming imple- ments were found	17	14	16	7				23	28	6	10		121
Being present at a game on Lord's Day	17			8	10	27		7					69
Capias	15	9	12	9	17	5	12	11	11	12	12	13	138
Carrying weapons				1	1	3		1		2	1	2	11
City Ordinance, violating	4					6	5	2					20
Coffee House Unlicensed				1									1
Cruelty to Animals	1		1	1				1		2			6
Desertion			2							1	1	1	5
Delinquent	8	4	2	5	6	8		4	24	5	9	3	78
Disturbing the peace			3	3		1						2	9
Dog, keeping unlicensed			2			1							3
Drunkenness	144	111	173	195	218	207	247	243	206	267	175	154	2340
Escaped from prison		2			3				1	1	5	5	19
Fire, setting in open				4									4
Fish and game law, vio.	4	3		1	8	4	2	3	2	7	1	7	42
Fornication	2	2	2	1		2							9
Gaming apparatus on premises	3		4		1	6	2		3	2	2	1	24
House of ill fame, keeping						2						1	3
Illegitimate child law, vio.	3	5	1		2		1	2	4	2	1	1	22
Indecent exposure				1								1	2
Interfering with officer	1			4						1			6
Insane					2			1					3
Impersonating officer										2			2
Keeping dynamite								2					2
Labor law, vio.			2		1			2	1				6
Lewd cohabitation				2				2	2				4
Lewdness			2		1				1		1		5
Liquor law, vio. of	43	36	50	47	48	31	35	21	25	33	54	27	450
Manufacturing mattresses unlicensed			1										1
Non support	11	18	17	13	17	14	15	15	12	20	7	12	171
Neglected children		1	1	2				1		1			6
Peddling unlicensed						2	2						4
Playing game on Lord's Day											8		8
Possession of obscene pictures												1	1
Practising medicine, unlicensed		1											1
Pure food law, vio.	9	3	1				1	3					17
Safe keeping	11	10	4	5	7	6	11	4	8	7	12	10	95
Sodomy											1		1
Stubbornness	1		2		1		2	1	2		2		11
Suspicious person	8	3	3	5	2	6	4	10	3	8	2	3	57
Truancy			1			1							2
Untrue advertising	2	3											5
Vagrants	1			1	1	1	1	2			2		9
Volstead Act, vio of	3					2					2		7
Weights and Measures, vio. of					2								2
TOTAL	328	235	350	359	415	430	453	427	398	443	365	270	4473

RECORD OF ARRESTS AGAINST THE PERSON — 1927

OFFENCE	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Total
Assault felonious		1		1		1			2	1	1		7
Assault and battery	5	11	15	7	20	7	18	9	7	10	10	11	130
Assault on police officer	3	1			2	1		4	1				12
Manslaughter	1		1	1	4	3			1	1	3		16
Murder							1						1
Att. Rape							1		1		1		2
Rape		1						4	1				6
Robbery	3			2					1	1	1		8
Threats		1				3				1		1	7
TOTAL	12	15	16	11	26	15	20	17	14	14	17	12	189

RECORD OF ARRESTS AGAINST THE PROPERTY — 1927

OFFENCE	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Total
Breaking and entering	2	6	3	3		1	2	1	1	4	15	2	40
Breaking and entering, att.		3		1									4
Embezzlement							1		1				1
Evading fare						1	2						5
Larceny.....	9	6	11	8	7	15	21	10	21	10	16	13	147
Larceny, att.	1			1	3	1	2			2		1	11
Larceny, sus.....	14		2	2	2	2	1				3	1	27
Malicious mischief							1			1			2
Receiving stolen goods		3			2		1		1		5		12
Riding freight	2	4					2						8
Sale of mortgaged property	1		2									1	4
Trespass	1		2	1		4	3	2		1			14
TOTAL	30	22	20	16	14	24	36	14	24	18	39	18	275

DISTRIBUTION OF OFFENCES ACCORDING TO NATIONALITIES—1927

NATIONALITIES	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Total
United States	209	135	199	210	249	277	316	288	243	286	243	163	2818
England	3	10	9	5	19	11	11	6	7	9	7	3	102
Ireland	17	21	21	24	39	37	33	41	32	58	29	28	380
Scotland	1	1	4	1	2	6			2		5	3	31
British Provinces	47	26	52	60	56	58	46	51	57	53	56	41	603
Greece	26	11	23	10	13	21	13	11	33	12	11	12	196
Russia	5	8	13	11	7	13	3	6	11	10	3	1	91
Turkish Empire					5	4	1	2		1		2	15
Poles	26	25	35	34	30	20	42	29	31	28	34	21	355
Lithuanians	8	10	3	5	12	5	9	4	9	2	9	7	83
Armenians	1	1		3	2		5				1		12
Syrians	2			2	2		5	8		4			26
Miscellaneous	25	24	27	19	19	17	23	10	11	11	20	19	225
TOTAL	370	272	386	386	455	469	509	458	436	475	421	300	4937

DISTRIBUTION OF OFFENCES ACCORDING TO TRADES AND PROFESSIONS — 1927

TRADES AND PROFESSIONS	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Total
Building Trades	36	22	42	33	44	38	57	60	42	56	36	24	490
Mechanical Trades	21	14	22	36	21	30	36	40	19	30	19	23	311
Mill and Factory	82	66	64	73	69	61	63	63	70	78	70	40	799
Shops and Stores	40	37	56	54	71	72	71	40	66	53	54	47	661
Professional.....	2		5	1	2	6	2	5	5	4	9	3	44
Agricultural.....	4	2	1	9	16	16	18	15	8	11	5	10	115
Clothing and Garb		1	3	1	1		2	1				1	10
Agents	11	5	9	7	12	9	22	6	15	18	9	8	131
Laborers	95	65	123	102	141	138	151	164	123	151	126	94	1473
Service, Domestic	32	25	29	40	32	52	31	25	23	21	41	17	368
Transportation	23	20	18	14	24	31	33	26	22	35	23	15	284
Children	23	15	14	11	14	14	18	10	41	14	27	15	216
Soldiers				3	6		3	2	2				16
Sailors				2	2	1	2	1		3	1	1	13
Miscellaneous	1					1				1	1	2	6
TOTAL	370	272	386	386	455	469	509	458	436	475	421	300	4937

DIVISIONAL REPORT

OF THE

Lowell Police Department

JANUARY 1, 1927 TO DECEMBER 31, 1927

MONTHLY REPORT OF PATROLMEN 1927

	Jan.	Feb.	March	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Total
Persons assisted home drunk.....	35	36	37	49	24	19	26	40	39	34	27	22	388
Persons arrested.....	161	117	159	168	141	133	186	164	156	213	143	111	1852
Sudden death.....		2		2	2		2	1		1	1	1	13
Violation of liquor law.....		1	2	2	1		2	1	1	19	1	2	32
Buildings found open and secured.....	80	94	67	65	65	50	61	43	64	72	55	45	761
Defective streets and sidewalks.....	17	13	38	21	12	13	20	31	20	22	6	7	220
Fire alarms given.....	13	6	13	1	1	3	2	4	2	1	2	1	49
Second alarm.....	1												2
Lost children restored.....	6	8	11	18	11		15	10	23	13	10	3	128
Value of stolen property recovered.....	\$1926 00	\$65 00	\$3928 86	\$198 00	\$198 00	\$300 00	\$962 00	\$275 00	\$100 00	\$775 00	\$33 00	\$3 00	\$8565 86
Gas lights not burning.....	310	188	118	120	46	45	18	43	56	80	57	98	1179
Incandescents not burning.....	25	20	39	39	29	25	11	16	28	29	23	16	306
Electric lights out.....	131	125	120	92	80	95	98	60	86	98	119	146	1250
Teams put up and cared for.....			2		1			1	1	2	4		11
Obstructions not lighted.....	3	3	2	4	1	3	5	1	4	13	8	3	50
Obstruction removed.....	2	1	2		2	4	4	1	4	2	1	2	25
Disturbances quelled.....	36	22	21	25	26	30	33	15	31	32	25	29	325
Contagious diseases.....										1			1

MONTHLY REPORT OF LOCKUP, 1927

	Jan.	Feb.	March	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Total
Money taken from prisoners.....	\$1606 58	\$962 12	\$1234 95	\$1532 74	\$2241 43	\$3014 30	\$2582 33	\$1802 31	\$1035 78	\$2218 18	\$1420 92	\$1588 91	\$21,240.55
Defective streets and sidewalks.....	7	4	19	8	4	10	11	7	17	15	5	6	113
Store doors found unlocked.....	68	84	54	80	91	45	55	53	59	62	56	48	755
Lost children restored to parents.....							2						2

MONTHLY REPORT OF POLICE MATRON OF ARRESTS OF WOMEN, 1927

OFFENCE	Jan.	Feb.	March	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Total
Abortion.....	2	1	1			1	1	1	1	1	1	1	10
Adultery.....			2			1	2	1		1		1	8
Assault and battery.....			1										1
Auto law, vio.		1			3	1	1	2		1			8
Breaking glass													1
Capias				1			1						1
Cruelty to animals							1						1
Deserting child						1							1
Disorderly house, keeping			1										1
Dog, keeping unlicensed			9										1
Drunkenness	8	7	1	7	11	12	15	5	6	9	13	6	108
Fornication	2		1	1		1		1		1			5
Insane													2
Labor law, vio.							1						1
Larceny	2		2	4		2	1	2					13
Lewd cohabitation				1									1
Lewd person			2										3
Liquor law, vio.	12	7	10	10	6	12	5	6	3	4	1	7	95
Non support	1	2			1				1				5
Practising medicine													1
Pure food law, vio.			1										1
Safe keeping	2		2			1	3	1	4	2	8	5	28
Setting fire				1									1
Stubbornness	1			2	1			1	1		2		8
Surrendered				2		1							1
Sus. of larceny													2
Threatening						1							1
Vagrants				1									1
Number arrested	30	19	32	30	22	34	30	19	17	19	39	20	311
Number of minors	6	1	1	2	1	5	3	2	2	3	6	4	36
Money taken from and returned to prisoners	\$5.00		\$2.66	\$7.14	\$51.13		\$588.96				\$10.63	.60	\$666.12

REPORT OF CRIMINAL BUREAU OF INVESTIGATION—1927

Month	Arrests	Lost and Stolen	Recovered	Autos		
				Unrecovered	Stolen	Recovered
January	16	\$ 1,269.25	\$ 597.45	\$ 671.80	4	4
February	11	507.50	111.01	396.49	4	4
March	14	737.60	305.97	431.63	15	15
April	19	866.53	226.45	640.08	3	3
May	17	482.43	136.99	345.44	7	6
June	12	626.76	353.30	273.46	18	17
July	9	952.37	324.70	627.67	15	15
August	10	1,039.40	540.86	498.54	9	9
September	15	930.93	277.87	653.06	4	4
October	18	3,758.35	727.65	3,030.70	16	16
November	11	1,075.40	95.25	980.15	12	10
December	13	802.60	339.00	463.60	8	7
Total	165	\$13,049.12	\$4,036.50	\$9,012.62	115	110

PROPERTY RECOVERED FOR OTHER CITIES AND TOWNS

Boston, Mass.	\$ 3,000.00
Bedford, Mass.	50.00
Dracut, Mass.	350.00
Fitchburg, Mass.	50.00
Lawrence, Mass.	2,800.00
Malden, Mass.	300.00
Medford, Mass.	175.00
Revere, Mass.	50.00
Somerville, Mass.	200.00
Tyngsboro, Mass.	48.00
Woburn, Mass.	1,800.00
Manchester, N. H.	570.00
Nashua, N. H.	600.00
New Haven, Conn.	-200.00
Providence, R. I.	900.00
Totals	\$11,093.00

PRISONERS ARRESTED FOR OTHER CITIES AND TOWNS

Andover, Mass.	1	Medford, Mass.	1
Arlington, Mass.	1	Methuen, Mass.	1
Boston, Mass.	3	Revere, Mass.	2
Cambridge, Mass.	2	Worcester, Mass.	1
Fitchburg, Mass.	1	Woburn, Mass.	1
Hingham, Mass.	1	Manchester, N. H.	1
Lawrence, Mass.	9	Pembroke, N. H.	1
Lynn, Mass.	3	Federal Government	1

Respectfully submitted,

DAVID PETRIE,
Captain of Police.

REPORT OF POLICE WOMEN — 1927

Girls under care of office	457
Unhappy homes interviewed and assistant given	350
Instrumental in having arrested	58
Court cases	64
Unmarried mothers aided	37
Girls placed in Homes and Institutions	72
Attended G. U. Clinic Tuesday evenings and followed up girls and women who had become careless about reporting.	
Attended Court each morning.	
Accompanied women prisoners to court and to institutions when committed.	
Substituted as Matron at Police Station when needed.	

POLICE SIGNAL SYSTEM — 1927

Months	Duty Calls	Telephone	Wagon	Prisoners	Miles
January	37,911	4,185	112	155	158.
February	34,065	4,129	100	132	122
March	39,155	4,605	143	162	190
April	35,060	4,040	124	115	130
May	35,276	3,235	158	192	234
June	33,300	4,173	159	197	213
July	35,509	4,499	188	223	236
August	34,196	4,004	187	253	232
September	32,965	3,874	159	204	190
October	35,241	4,582	212	248	273
November	36,031	4,318	137	159	172
December	37,614	4,463	141	157	173
Totals	426,283	50,107	1,820	2,198	2,323

REPORT OF LIQUOR OFFICERS—1927

Number of liquor cases in District Court	380
Amount of fines paid in District Court	\$42,400.00
29 persons sent to House of Correction with a total of 31 months.	
22 persons not guilty in District Court.	
3 defaulted in District Court.	
1 case pending in District Court.	

Superior Court

22 cases appealed to Superior Court.	
4 found not guilty in Superior Court.	
22 cases filed in Superior Court.	
4 cases pending in Superior Court.	
7 persons sent to House of Correction with a total of 20 months.	

Respectfully submitted,

GEORGE B. PALMER,
Captain of Police.

ANNUAL REPORT

OF THE

Street and Highways Department

OF THE

CITY OF LOWELL

FOR THE YEARS

1917 - 1927

INCLUSIVE



TABLES SHOWING IN DETAIL THE WORK DONE
BY THE DIFFERENT DIVISIONS OF THE
STREET DEPARTMENT

SULLIVAN BROS., PRINTERS



238 CENTRAL STREET

REPORT

To the City Council of the City of Lowell:

Pursuant to the ordinances of the City of Lowell, the Superintendent of Streets and Highways submits the annual reports for that department during the years from 1917 to 1927 inclusive, which reports are submitted herewith and outlines accomplished during said years.

HENRY P. DOHERTY,
Superintendent, Streets and Highways.

STREETS AND HIGHWAYS DEPARTMENT 1927

Superintendent
HENRY P. DOHERTY

Gen. Foreman Streets	Asst. Supt. Sewers
P. JOSEPH GARRITY	THOMAS F. GARVEY, Jr.

Chief Clerk
CLINTON P. TUTTLE

TABLE SHOWING THE DIFFERENT SUPERINTENDENTS AND COMMISSIONERS FROM THE YEAR OF INCORPORATION OF THE CITY OF LOWELL

SUPERINTENDENTS

1836	Alva Mansur
1837—1838	Chester A. Blodgett
1839—1842	Luther Eames
1843—1845	William A. Swan
1846—1849	Joseph Griffin
1850	Abiel Rolfe (to April 1)
1850—1857	William M. Smith (from April 1, 1850)
1858—1866	Wilder Bennett
1867—1872	Luther Richards
1873—1884	John C. Woodward
1885—1886	Charles H. Hanson
1887—1888	Edward Cawley
1889—1891	Horace P. Beals
1892—1895	Robert E. Crowley
1896	Cleveland J. Cheney (to Feb. 19, 1897)
1897	Charles Callahan (from Feb. 20 to March 9)
1897	George L. Fowler (from March 20)
1898—1900	Cleveland J. Cheney
1901	Patrick F. Brady
1902—1904	Laforest Beals (resigned May 24, 1904)
1904	Frederick W. Farnham (appointed May 25)
1905—1908	Charles J. Morse
1909—1912	Newell F. Putnam

COMMISSIONERS

1912—1913	George H. Brown
1913—1914	James E. Donnelly
1914—1918	Charles J. Morse
1919—1921	Dennis A. Murphy

BOARD OF PUBLIC SERVICE

1922—1926	Dennis J. Murphy, Chairman
*1922—1926	Fred G. Leary
1922—1923	George Bowers
*1924—1926	Fred F. Meloy
1926	Walter F. Walworth
1926	Fisher H. Pearson
* Resigned	

SUPERINTENDENT

1926—1927	Henry P. Doherty
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ORGANIZATION CHART

DEPARTMENT OF STREETS AND HIGHWAYS

SUPERINTENDENT

CHIEF CLERK

STREETS

General Foreman
8 Foremen

4 Clerks

SEWERS

Assistant Superintendent
5 Foremen

DEPARTMENT OF STREETS AND HIGHWAYS

Appropriation Title	Appropriation Bal. 1916	Appropriation 1917	Receipts	Total Appropriation	Eng. and Supt.	Payrolls	Bills	Transfers	Total Expended	Balance to Dec. 31, 1917
Streets*		\$170,000.00	\$ 2,303.89	\$172,303.89	\$ 2,300.00	\$132,236.11	\$35,503.33	\$ 2,245.13	\$172,284.57	\$ 19.32*
Street Sprinkling*		27,000.00		27,000.00		5,356.60	19,771.86	1,810.45	26,938.91	61.09*
Street Lighting*		123,000.00		123,000.00			120,718.64	1,900.00	122,618.64	381.36*
Pensions*		1,600.00		1,600.00		1,554.11			1,554.11	45.89*
Engineering*		7,000.00	10,192.00	17,192.00	2,700.00	13,857.37	594.62	.65	17,152.64	39.36*
Sewer Maintenance*		16,000.00		16,000.00		13,627.71	2,348.68	.65	15,977.04	22.96*
Sewer Construction	\$ 2,653.80	75,000.00	18.28	77,672.08		50,059.12	18,612.19	2,469.03	71,140.34	6,531.74
Paving	22,289.16	50,000.00	11,435.00	83,724.16		37,910.37	37,038.11	2,098.75	77,047.23	6,676.93
Macadamizing	40.75	70,000.00	1,767.00	71,807.75		35,675.05	34,980.52	223.65	70,879.22	928.53
Paving and Widening										
Lawrence St.	1,444.44			1,444.44						1,444.44
Wedge and Porter St. Ext. ....	.10			.10						.10
New Sidewalks	4.56	10,000.00	262.34	10,266.90		3,031.04	6,557.58	352.79	9,941.41	325.49
Pawtucket Bridge		24,000.00		49,950.00			44,952.97	2,497.03	47,450.00	2,500.00
Dummer St. Ext.	11,151.28	473.91		11,625.19			1,265.22	10,359.97	11,625.19	
Widening School St. and										
Mammoth Road	6,856.31			6,856.31			3,562.62	230.95	3,793.57	3,062.74
Dummer St. Ext. Sale	277.30			277.30			125.00		125.00	152.30
* Bal to G. T. Fund	\$70,667.70	\$574,073.91	\$25,978.51	\$670,720.12	\$5,000.00	\$293,307.48	\$326,031.34	\$24,139.05	\$648,527.87	\$22,192.25

DEPARTMENT OF STREETS AND HIGHWAYS

Appropriation Title	Appropriation Bal. 1917	Appropriation 1918	Receipts	Total Appropriation	Eng. and Supt.	Payrolls	Bills	Transfers	Total Expended	Balance to Dec. 31, 1918
Streets		\$201,000.00	\$ 4,967.49	\$205,967.49	\$2,300.00	\$168,594.84	\$ 32,678.26	\$ 2,338.84	\$205,911.94	\$ 55.55
Sewer Maintenance		16,000.00		16,000.00		14,713.45	1,251.11		15,961.57	35.43
Street Sprinkling Wages		5,500.00		5,500.00		2,053.51		3,446.49	5,500.00	
Street Sprinkling, O. & L.		21,500.00		21,500.00			19,674.45	1,824.20	21,498.65	1.35
Engineering		7,500.00	6,884.35	14,384.35	2,345.33	11,824.37	240.65	4.00	14,384.35	
Lighting		120,000.00		120,000.00			119,879.47		119,879.47	120.53
Sewer Construction	\$ 6,531.74	67,000.00		73,531.74		54,849.08	12,483.16	2,259.43	69,291.67	4,240.07
Paving	6,676.93	50,000.00	3,217.04	59,893.97		38,312.60	20,517.04	983.97	59,813.61	80.36
Macadam	928.53	25,000.00		25,928.53		15,892.49	9,800.69	111.34	25,804.52	121.01
Paving and Widening										
Lawrence St.	1,414.44			1,414.44				1,414.44	1,414.44	
New Sidewalks	325.49	5,000.00	164.44	5,489.93		3,022.01	1,998.65	188.23	5,208.89	281.04
Pawtucket Bridge	2,500.00			2,500.00			2,500.00		2,500.00	
Widening School St. and										
Mammoth Road	3,062.74			3,062.74			2,386.80	43.25	2,430.05	632.69
Dummer St. Ext. Sale	152.30			152.30			50.00		50.00	102.30
	\$21,622.17	\$518,500.00	\$15,233.32	\$555,355.49	\$4,615.33	\$309,262.36	\$223,160.28	\$12,614.19	\$549,682.16	\$5,673.33

DEPARTMENT OF STREETS AND HIGHWAYS

Appropriation Title	Appropriation Bal, 1918	Appropriation 1919	Receipts	Total Appropriation	Pensions, Eng. & Supt.	Payrolls	Bills	Transfers	Total Expended	Balance to Dec. 31, 1919
Street		\$246,000.00	\$ 5,192.55	\$251,192.55	\$3,958.75	\$192,409.34	\$ 53,271.39	\$ 1,548.07	\$251,187.55	\$ 5.00*
Sewer Maintenance		18,000.00		18,000.00		16,439.10	1,569.59		17,999.69	.31*
Street Sprinkling		30,000.00		30,000.00		7,826.19	20,921.33	1,233.28	29,980.80	19.20*
Engineering		7,500.00	6,719.75	14,219.75	2,700.00	11,155.21	314.82	3.00	14,173.03	46.72*
Lighting		122,000.00		122,000.00			121,850.14		121,850.14	149.86*
Sewer Construction	\$4,240.07	125,000.00		129,240.07		109,991.77	13,543.34	2,914.91	126,450.02	2,730.05
Paving	80.36	70,000.00	1,420.26	71,500.62		46,937.47	23,790.84	772.31	71,500.62	
Macadam	124.01	40,000.00		40,124.01		29,551.82	7,758.59	117.65	37,428.06	2,695.95
New Sidewalks	281.04	10,000.00		10,281.04		5,118.75	4,227.78	363.75	9,710.28	570.76
Widening School St. and Mammoth Road	632.69			632.69		112.54	520.15		632.69	
Dummer St. Ext. Sale	102.30			102.30				102.30	102.30	
Bridges		20,000.00		20,000.00		5,829.30	7,721.66	4,406.67	17,957.63	2,042.37
First St. Ext.		41,000.00		41,000.00		280.28	17,632.56	7.03	17,919.87	23,080.13
* Balance to General Treasury Fund.	\$5,460.47	\$729,500.00	\$13,332.56	\$748,293.03	\$6,658.75	\$425,651.77	\$273,113.19	\$11,468.97	\$716,892.68	\$31,400.35

DEPARTMENT OF STREETS AND HIGHWAYS

Appropriation Title	Appropriation Bal. 1919	Appropriation 1920	Receipts	Total Appropriation	Pensions & Eng. & Supt.	Payrolls	Bills	Transfers	Total Expended	Balance to Dec. 31, 1920
Streets		\$310,000.00		\$310,000.00	\$4,493.80	\$248,787.96	\$ 54,557.79	\$2,040.95	\$309,880.50	\$ 119.50
Sewer Maintenance		21,500.00		21,500.00		20,028.48	1,317.58		21,346.06	153.94
Street Sprinkling		40,000.00	\$ 18.00	40,018.00		8,271.21	31,238.71	377.81	39,887.73	130.27
Engineering		8,500.00	9,612.62	18,112.62	3,013.06	14,381.07	670.62	4.00	18,068.75	43.87
Lighting	\$ 149.86	127,850.00		127,999.86			117,657.26		117,657.26	10,342.60
Sewer Construction	2,790.05	93,000.00	9.50	95,799.55		75,146.67	16,968.16	3,323.53	95,438.36	361.19
Paving		80,000.00		80,000.00		58,093.01	18,791.46	1,009.71	77,894.18	2,105.82
Macadam	2,695.95	60,000.00		62,695.95		44,182.73	18,193.33	286.98	62,663.04	32.91
New Sidewalks	486.76	16,000.00		16,486.76		5,782.45	10,149.91	546.98	16,479.34	7.42
Bridges	2,042.37	92,000.00		94,042.37		1,891.42	75,441.11	984.66	78,317.19	15,725.18
First St. Ext.	23,080.13			23,080.13		2,096.47	8,979.61		11,076.08	12,004.05
Widening Locke St.		12,000.00	634.77	12,634.77		925.85	5,523.07		6,449.52	6,185.25
	\$31,245.12	\$860,850.00	\$10,274.89	\$902,370.01	\$7,506.86	\$479,587.32	\$359,489.21	\$8,574.62	\$855,158.01	\$47,212.00

DEPARTMENT OF STREETS AND HIGHWAYS

Appropriation Title	Appropriation Bal. 1920	Appropriation 1921	Receipts	Total Appropriation	Pensions & Eng. & Supt.	Payrolls	Bills	Transfers	Total Expended.	Balance to Dec. 31, 1921
Streets		\$340,000.00	\$9,360.95	\$349,360.95	\$5,590.65	\$293,481.52	\$ 45,869.27	\$2,476.81	\$347,418.25	\$1,942.70
Sewer Maintenance		27,200.00	818.52	28,018.52		25,507.24	1,877.00		27,384.24	634.28
Street Sprinkling		39,000.00	453.30	39,453.30		12,440.88	26,633.92	324.32	39,399.12	54.18
Engineering		10,500.00	10,618.15	21,118.15	2,986.94	15,290.33	2,663.85	8.00	20,949.12	169.03
Lighting		125,000.00	14,110.20	139,110.20			139,110.20		139,110.20	
Sewer Construction	\$ 361.19	135,000.00		135,361.19		110,074.35	19,735.53	3,183.75	132,993.63	2,367.56
Paving	2,105.82	105,000.00	28.50	107,134.32		44,705.42	60,660.05	1,460.08	106,825.55	308.77
Macadam	32.91	90,000.00		90,032.91		69,058.06	20,306.83	437.60	89,802.49	230.42
New Sidewalks	7.42	20,000.00		20,007.42		4,943.00	13,080.64	363.83	18,387.47	1,619.95
Bridges	15,725.18	100,000.00		115,725.18		10,679.07	101,035.98	1,370.32	113,085.37	2,639.81
Widening Locke St.	6,185.25			6,185.25		2,873.16	2,395.95	17.44	5,286.55	898.70
First St. Ext.	12,004.05			12,004.05						12,004.05
	\$36,421.82	\$991,700.00	\$35,389.62	\$1,063,511.44	\$8,577.59	\$589,032.85	\$433,369.22	\$9,642.15	\$1,040,641.99	\$22,869.45

DEPARTMENT OF STREETS AND SEWERS

Appropriation Title	Appropriation Bal. 1921	Appropriation 1922	Receipts	Total Appropriation	Pensions & Supt.	Payrolls	Bills	Transfers	Total Expended	Balance to Dec. 31, 1922
Street		\$457,581.85	\$54,763.95	\$512,345.80	\$ 4,228.62	\$345,571.19	\$123,245.36	\$ 4,326.21	\$477,371.38	\$34,974.42
Street Cr. Transfer.....	\$13,014.55	\$444,567.30		499,331.25						\$21,959.87
Street Special		10,000.00	19.90	10,019.90		2,752.85	4,916.15	591.00	8,260.00	1,759.90
Ashes and Waste		80,000.00		80,000.00		73,724.43	5,552.26	695.24	79,971.93	28.07
Sewer Maintenance		25,500.00	6,349.57	31,849.57		22,632.82	8,995.99	192.93	31,821.74	27.83
Street Sprinkling		36,500.00	3.18	36,503.18		6,010.63	28,045.42	536.34	34,592.39	1,910.79
Lighting		132,000.00		132,000.00			131,113.71		131,113.71	886.29
Sewer Construction	2,367.56	80,000.00	678.06	83,045.62		59,667.77	11,884.37	11,469.88	83,922.02	23.60
Paving	308.77	200,000.00	1,279.60	201,588.37		71,547.34	64,743.64		200,797.68	790.69
Macadam	230.42	75,000.00	18,715.37	93,945.79		43,681.52	42,155.53	8,070.79	93,907.84	37.95
New Sidewalks	1,619.95	20,000.00	179.16	21,799.11		12,004.53	7,703.36	1,469.13	21,177.02	622.09
Bridges	2,638.81	60,000.00	9,137.59	71,776.40		971.80	12,196.13	840.25	14,008.18	57,768.22
Widening Locke St.	898.70			893.70		328.40	138.00	432.30	898.70	
First St. Ext.	12,004.05	85,000.00		97,004.05			80,396.76	300.20	80,696.96	16,307.09
First St. Cr. Transfer.....	1,275.00	83,725.00		95,729.05						15,032.09
Relief, Unemployed		30,000.00		30,000.00		28,348.41	1,650.26		29,998.67	1.33
Anne St. Parkway		10,000.00		10,000.00		5,568.05	2,521.37	1,185.66	9,275.08	724.92
	\$20,068.26	\$1,287,292.30	\$91,126.38	\$1,398,486.94	\$ 4,228.62	\$672,809.74	\$525,258.31	\$94,616.63	\$1,296,913.30	\$101,573.64

DEPARTMENT OF STREETS AND HIGHWAYS

Appropriation Title	Bal. 1922	Appropriation 1923	Receipts	Total Appropriation	Pensions & Supt.	Payrolls	Bills	Transfers	Total Expended	Balance to Dec. 31, 1923
Streets		\$404,500.00	\$7,297.64	\$411,797.64	\$4,771.64	\$288,175.40	\$93,636.54	\$25,128.36	\$411,711.94	\$ 8570
Street Special		12,000.00		12,000.00		2,161.96	3,851.29	1,122.01	7,135.26	4,864.74
Street Sprinkling		32,600.00		32,600.00		7,217.97	24,578.48	803.55	32,600.00	
Street Lighting		136,000.00		136,000.00			135,019.57	980.00	135,999.57	.43
Ashes and Waste		104,332.00		104,332.00		88,004.15	14,327.85	2,000.00	104,332.00	
Sewer Maintenance		25,000.00		25,000.00						
Sewer Construction	23.60	78,500.00		78,523.60		59,544.64	14,999.61	3,977.01	78,521.26	2.34
Paving	790.69	141,180.45		141,971.14		82,002.24	58,926.35	1,937.20	141,965.79	5.35
Macadam	37.95	100,000.00		100,037.95		44,490.33	52,394.00	3,153.62	100,037.95	
New Sidewalks	622.09	20,000.00		20,622.09		5,766.49	14,232.40	599.17	20,598.06	24.03
Bridges	57,768.22	20,000.00		117,768.22			61,944.03	1,467.51	63,411.54	54,356.68
First St. Extension	15,032.09	21,000.00	789.74	36,821.83		2,245.54	23,253.16		25,498.70	11,323.13
Anne St. Parkway	724.92			724.92		15.88			15.88	709.04
Hall & Aiken St. Widening		30,000.00		30,000.00			8,169.37		8,169.37	21,830.63
Removal Railway Crossing		2,000.00		2,000.00		354.43			354.43	1,645.57
Shattuck & Merrimack Sts...		9,000.00		9,000.00		6,005.39	2,875.97	118.64	9,000.00	
Lawrence St. Paving										
	\$74,999.56	\$1,176,112.45	\$8,087.38	\$1,259,199.39	\$4,771.64	\$607,314.65	\$510,675.20	\$41,590.26	\$1,164,351.75	\$94,847.64

Repealed October 25, 1923.)

(Chelmsford St. Paving, \$10,000.00.

DEPARTMENT OF STREETS AND SEWERS

Appropriation	Balance 1923	Appropriation 1924	Receipts	Total Appropriation	Payroll	Bills	Transfers	Total Expended	Balance Dec. 31, 1924
Streets, S. & W.		\$276,770.77	\$23,092.72	\$299,863.49	\$298,709.80		\$1,153.69	\$299,863.49	
Streets, E. & S.		78,500.00	35,561.94	114,061.94		110,621.45	3,440.49	114,061.94	
Bridge Repairs		8,000.00		8,000.00	4,554.32	2,892.38	550.96	7,997.66	2.34
St. Sprinkling S. & W.		7,217.97		7,217.97	7,217.97			7,217.97	
St. Sprinkling, E. & S.		25,382.03	397.66	25,779.69		25,124.87	654.82	25,779.69	
St. Lighting		150,000.00		150,000.00		142,519.35		142,519.35	7,480.65
Ashes & Waste, S. & W.		100,000.00	.57	100,000.57	100,000.57			100,000.57	
Ashes & Waste, E. & S.		17,700.00	611.83	18,311.83		18,311.83		18,311.83	
Sewer Main., S. & W.		21,330.23		21,330.23	21,330.23			21,330.23	
Sewer Main., E. & S.		5,169.77		5,169.77		5,128.02		5,128.02	41.75
Sewer Construction		153,500.00	701.96	154,201.96	115,251.19	34,038.09	4,493.23	153,782.51	419.45
Sewer Construction		150,000.00	216.23	150,216.23	73,750.17	73,157.09	2,108.97	149,016.23	1,200.00
Paving		100,000.00		100,000.00	54,864.73	44,071.56	1,063.71	100,000.00	
Macadam	24.03		467.60	34,691.63	8,835.63	25,082.77	772.99	34,691.63	
New Sidewalks		34,200.00		34,200.00	1,711.08	82,272.71	1,092.98	85,076.77	13,479.91
Bridges	54,356.68	44,200.00		98,556.68					10,310.15
First St. Extension	11,323.13			11,323.13	558.63	454.35		1,012.98	709.04
Anne St. Parkway	709.04			709.04					709.04
Hall & Aiken Sts.	21,830.63			21,830.63	370.48	20,140.26	173.04	20,683.78	1,146.85
Shattuck & Merrimack Sts.	1,645.57			1,645.57	1,613.22	23.75		1,636.97	8.60
Oakland Main Sewer		50,000.00		50,000.00	28,865.68	4,549.54	1,009.29	34,424.51	15,575.49
Paving Lawrence St.		18,000.00		18,000.00	9,775.57	6,816.18	192.31	16,784.06	1,215.94
Macadam Special		60,000.00		60,000.00	678.63	40,817.36	14,220.84	55,716.83	4,283.17
Resurfacing Central Bridge		11,000.00		11,000.00	2,287.69	3,802.56	264.50	6,354.75	4,645.25
	\$89,889.08	\$1,310,970.77	\$61,050.51	\$1,461,910.36	\$730,375.83	\$639,824.12	\$31,191.82	\$1,401,391.77	\$60,518.59

DEPARTMENT OF STREETS AND HIGHWAYS

Appropriation	Balance 1924	Appropriation 1925	Receipts	Total Appropriation	Payroll	Bills	Transfers	Total Expended	Balance Dec. 31, 1925
Streets, S. & W.		\$275,000.00	\$ 3,738.50	\$278,738.50	\$251,651.30		\$26,875.27	\$278,526.57	\$ 211.93
Streets, E. & S.		75,000.00	39,816.82	114,816.82		\$88,844.68	14,587.01	113,431.69	1,385.13
Bridge Repairs S. & W.		3,500.00		3,500.00	2,917.50		582.50	3,500.00	
Bridge Repairs, E. & S.		2,500.00		2,500.00		2,073.66	426.34	2,500.00	
Bridge Repairs Special		8,500.00		8,500.00	874.32	4,844.96	837.95	6,557.23	1,942.77
Street Sprinkling S. & W.		7,000.00		7,000.00	6,744.32		80.20	6,824.52	175.48
Street Sprinkling, E. & S.		20,000.00	3,000.00	23,000.00		22,834.23	156.37	22,990.60	9.40
Street Sprinkling Special		5,000.00		5,000.00		4,056.48	731.46	4,787.94	212.06
Street Lighting		162,000.00	3,500.00	165,500.00		165,411.32		165,411.32	88.68
Ash & Waste S. & W.		100,000.00	31.20	100,031.20	98,187.50	10,579.78	747.70	98,935.20	1,096.00
Ash & Waste E. & S.		18,000.00	18.40	18,018.40			5,622.33	16,202.11	1,816.29
Sewer Maintenance S. & W.		21,000.00	1,500.00	22,500.00	21,604.53		891.15	22,495.68	4.32
Sewer Maintenance E. & S.		4,000.00	513.00	4,513.00		2,254.38	2,237.93	4,492.31	20.69
Sewer Construction	\$ 419.45	125,150.00	5,224.86	130,794.31	98,803.74	24,664.99	5,505.24	128,973.97	1,820.34
Paving	1,200.00	140,150.00	7,790.41	149,140.41	81,798.55	48,915.16	18,261.56	148,975.27	165.14
Macadam		100,150.00	12,500.18	112,650.18	33,520.65	71,059.70	7,378.88	111,959.23	690.95
New Sidewalks S. & W.		8,000.00		8,000.00	7,924.98		72.16	7,997.14	2.86
New Sidewalks E. & S.		12,000.00	3,406.30	15,406.30		13,266.76	1,009.48	14,276.24	1,130.06
First St. Extension	10,310.15			10,310.15		183.34		183.34	10,126.81
Anne St. Parkway	709.04			709.04				709.04	
Bridge Construction	13,479.91	1,500.00	22.91	15,002.82	100.00	14,843.23		14,943.23	59.59
Widening Hall & Aiken Sts.	1,146.85			1,146.85	1,114.86		20.40	1,146.85	
Oakland Main Sewer	15,575.49		12.46	15,587.95	13,038.17	1,360.75	151.24	14,550.16	1,037.79
Paving Lawrence St.	1,215.94			1,215.94		744.16		744.16	471.78
Resurfacing Central Bridge....	4,645.25			4,645.25	1,143.47	2,057.77	116.00	3,317.24	1,328.01
Macadam Special	4,283.17			4,283.17		251.76	4,031.41	4,283.17	
Paving Lakeview Avenue....		25,000.00	27.54	25,027.54	13,444.28	4,746.87	2,267.38	20,458.53	4,569.01
Paving Stevens St.		10,000.00		10,000.00	3,998.26	3,265.03	2,633.21	9,896.50	103.50
Central Bridge		42,000.00		42,000.00	1,002.27	22,593.58	2,050.81	25,646.66	16,353.34
Beaver Brook Bridge		21,000.00		21,000.00		3,356.01	613.41	3,969.42	17,030.58
Paving Bridge St.		25,000.00	7,511.58	32,511.58	16,370.06	11,649.88	4,479.71	32,499.65	11.93
Standish St. Macadam		5,500.00		5,500.00	549.83	2,840.40	1,659.40	5,049.63	450.37
Macadam Additional Rescinded									
	\$52,985.25	\$1,216,950.00	\$88,614.16	\$1,358,549.41	\$654,788.59	\$536,710.47	\$104,026.50	\$1,295,525.56	\$63,023.85

DEPARTMENT OF STREETS AND HIGHWAYS

Appropriation	Balance 1925	Appropriation 1926	Receipts	Total Appropriation	Payroll	Bills	Transfers	Total Expended	Balance Dec. 31, 1926
Streets S. & W.		\$250,000.00	\$1,791.34	\$251,791.34	\$238,847.47	\$115,049.05	\$12,812.84	\$251,660.31	\$ 131.03
Streets E. & S.		85,000.00	31,105.40	116,105.40			934.15	115,983.20	122.20
Snow Removal		50,000.00		50,000.00	40,653.92	9,346.08		1,937.75	5.02
Bridge Repairs (Special)	\$1,942.77			1,942.77		1,937.75		1,937.75	5.02
Bridge Repairs		10,000.00		10,000.00	3,560.18	4,368.22	2,069.60	9,998.00	2.00
Street Lighting		173,000.00	500.00	173,500.00		173,341.09		173,341.09	158.91
Street Sprinkling S. & W.		7,000.00		7,000.00	6,955.01		44.99	7,000.00	
Street Sprinkling E. & S.		28,000.00	78.90	28,078.90		24,683.34	3,395.56	28,078.90	
Ash & Waste S. & W.		92,000.00		92,000.00	77,671.68			77,671.68	14,328.32*
Ash & Waste E. & S.		14,000.00		14,000.00		2,318.14		9,388.31	4,611.69*
Sewer Maintenance S. & W.		22,500.00	322.75	22,822.75	19,914.45		2,908.30	22,822.75	
Sewer Maintenance E. & S.		2,500.00	256.44	2,756.44		2,058.18	695.13	2,753.31	3.13
Sewer Construction		1,820.34	419.50	1,285.14	86,493.92	15,768.23	2,369.70	104,631.85	23,882.99
Paving		151,275.00	1,409.88	152,850.02	92,200.55	49,140.62	11,487.53	152,838.70	21.32
New Sidewalks S. & W.		8,000.00	845.36	8,845.36	7,469.09		1,376.27	8,845.36	
New Sidewalks E. & S.		12,000.00	833.63	12,833.63		12,802.94		12,802.94	30.69
Macadam	690.95	111,275.00		111,965.95	46,312.54	59,228.37	6,406.37	111,947.28	18.67
Central Bridge	16,353.34			16,353.34	69.78	6,827.21	9,456.35	16,353.34	
Bridge Construction					59.59				59.59
First St. Extension		10,126.81		10,126.81		3,415.30		3,415.30	6,711.51
Anne St. Parkway		709.04		709.04					709.04
Oakland Main		1,037.79		1,037.79					1,037.79
Paving Lawrence St., (1925)		471.78		471.78					471.78
Res. Central Bridge		1,328.01		1,328.01			1,328.01	1,328.01	
Paving Lakeview Ave., (1925)		4,569.01		4,615.99	46.98	45.00		91.98	4,524.01
Pav. Stevens St.		103.50		103.50					103.50
Beaver Brook Bridge		17,030.58	46.98	17,030.58	223.32	12,402.79	4,404.47	17,030.58	
Paving Bridge St.		11.93		11.93	11.93			11.93	
Standish St. Macadam		450.37		450.37					450.37
Paving Lakeview Ave., (1926)		25,000.00		25,000.00	15,030.31	4,103.65	1,551.20	20,685.16	4,314.84
Paving Lawrence St., (1926)		15,000.00		15,000.00	8,537.97	3,288.69	1,496.91	13,323.57	1,676.43
Reps. Moody St. Bridge		9,374.68		9,374.68		7,819.84	491.67	8,311.51	1,063.17
Safety Guard Chelmsford St. Bridge....		3,100.00		3,100.00					3,100.00
Fifth Ave. Extension		7,885.61		7,885.61	2,703.99	2,223.37		4,927.36	2,958.25
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* Balance Nov. 6, 1926 Transferred to Health Dept.	\$56,870.95	\$1,203,185.29	\$37,610.18	\$1,297,666.42	\$646,703.09	\$510,167.86	\$70,299.22	\$1,227,170.17	\$70,496.25

DEPARTMENT OF STREETS AND HIGHWAYS

Appropriation	Balance	Appropriation 1927	Receipts	Total Appropriation	Payroll	Bills	Transfers	Total Expended	Balance Dec. 31, 1927
Streets, S. & W.		\$171,000.00	\$10,218.66	\$181,218.66	\$180,234.96			\$180,234.96	\$ 983.70
Streets, E. & S.		57,200.00	17,171.47	74,371.47		71,250.98	2,911.73	74,162.71	208.76
Fifth Ave. Ext.	\$ 2,958.25			2,958.25	2,958.25			2,958.25	
Bridge Repairs		10,000.00		10,000.00	3,348.53	2,707.63	3,935.83	9,991.99	8.01
Street Lighting		170,000.00		170,000.00	1,075.93	164,484.97		165,560.90	4,439.10
Street Sprinkling, S. & W.		7,000.00		7,000.00	5,237.11		1,762.89	7,000.00	
Street Sprinkling, E. & S.		24,100.00	202.06	24,302.06		24,142.00	160.06	24,302.06	
Sewer Maintenance S. & W.		22,500.00	2,315.77	24,815.77	22,548.30		2,111.58	24,659.88	155.89
Sewer Maintenance E. & S.		2,500.00		2,500.00		1,994.86	503.82	2,498.68	1.32
Sewer Constuction	23,882.99	96,475.00	423.53	120,781.52	88,302.74	24,245.76	3,722.46	116,270.96	4,510.56
Paving	21.32	67,565.56	1,303.56	68,890.44	38,354.57	14,122.77	16,359.47	68,836.81	53.63
New Sidewalks S. & W.		8,000.00		8,000.00	7,292.20		707.80	8,000.00	
New Sidewalks E. & S.		12,000.00		12,000.00		11,462.65	537.35	12,000.00	
Macadam	18.67	271,925.37	9,264.66	281,208.70	79,229.58	178,889.94	23,089.18	281,208.70	
Bridge Construction	59.59			59.59			59.59		
First Street Extension	6,711.51			6,711.51			709.04		6,711.51
Anne St Parkway	709.04			709.04					
Oakland Main	1,037.79			1,037.79	1,037.79				
Paving Lawrence St. (1925)	471.78			471.78			471.78		
Paving Lakeview Ave. (1925)	4,524.01			4,524.01			4,524.01		
Paving Stevens St.	103.50			103.50			103.50		
Standish St. Mac.	450.37			450.37			450.37		
Paving Lakeview Ave. (1926)	4,314.84			4,314.84			4,314.84		
Paving Lawrence St. (1926)	1,676.43			1,676.43			1,676.43		
Safety Guard Chelmsford St. Bridge ..	3,100.00			3,100.00	295.68	1,981.39	478.00	2,755.07	344.93
	\$50,040.09	\$920,265.93	\$40,899.71	\$1,011,205.73	\$429,915.64	\$495,282.95	\$68,589.73	\$993,788.32	\$17,417.41

COMPARATIVE TABLE OF EXPENDITURES FOR A PERIOD OF 11 YEARS

	1917	1918	1919	1920
Streets	\$172,284.57	\$205,911.94	\$251,197.55	\$309,880.50
Pensions	1,554.11			
Street Sprinkling	26,938.91	26,998.65	29,980.00	39,887.73
Lighting	122,618.64	119,879.47	121,856.14	117,657.26
Board of Public Service				
Engineering	17,152.64	14,384.35	14,173.03	18,068.75
Sewer Maintenance	15,977.04	15,964.57	17,999.69	21,346.06
Ash and Waste				
Street Special				
Bridge Repairs				
Sewer Construction	71,140.34	69,291.67	126,458.02	95,438.36
Paving	77,047.23	59,813.61	71,500.62	77,894.18
Macadam	70,879.22	25,804.52	37,428.06	62,663.04
New Sidewalks	9,941.41	5,208.89	9,710.28	16,479.34
Bridge Construction			17,957.63	78,317.19
Paving and Widening of Lawrence Street		1,444.44		
Pawtucket Bridge	47,450.00	2,500.00		
Widening School Street and Mammoth Rd.	3,793.57	2,430.05	823.69	
Dummer Street Sale	135.00	50.00	102.30	
Dummer Street Extension	11,625.19			
First Street Extension				
Widening Locke Street			17,919.87	11,076.08
Relief of Unemployed				6,449.52
Show Removal				
Anne Street Parkway				

Widening Hall and Aiken Streets				
Removal of B. & M. R. R. Crossing				
Paving Lawrence Street (1923)				
Paving Lawrence Street (1924)				
Paving Lawrence Street (1926)				
Oakland Main Sewer				
Macadam Special				
Resurface Central Bridge				
Paving Lakeview Avenue (1925)				
Paving Lakeview Avenue (1926)				
Paving Stevens Street				
Central Bridge				
Beaver Brook Bridge				
Paving Bridge Street				
Standish Street Macadam				
Repairs Moody Street Bridge				
Safety Guard Chelmsford Street Bridge				
Fifth Avenue Extension				
	\$648,537.87	\$549,682.16	\$717,115.88	\$855,158.01

	1921	1922	1923	1924	1925	1926	1927	Total
Streets	\$347,418.25	\$477,371.38	\$411,711.94	\$413,925.43	\$391,958.26	\$367,643.51	\$254,397.67	\$3,603,701.00
Pensions	—	—	—	—	—	—	—	1,554.11
Street Sprinkling	39,399.12	34,592.39	32,600.00	32,997.66	34,603.06	35,078.90	31,302.96	364,378.48
Lighting	139,110.20	131,113.71	135,999.57	142,519.36	165,411.32	173,341.09	165,560.90	1,535,067.66
Board of Public Service	—	3,340.65	3,499.90	3,494.57	3,473.49	2,736.05	—	16,544.66
Engineering	20,949.12	24,021.63	25,859.90	31,666.49	38,840.65	37,176.49	—	242,293.05
Sewer Maintenance	27,384.24	31,821.74	25,000.00	26,458.25	26,987.99	25,576.06	27,158.56	261,674.20
Ash and Waste	—	79,971.93	104,332.00	118,312.40	115,137.31	104,477.18	—	522,230.82
Street Special	—	8,260.00	7,135.26	—	—	—	—	15,395.26
Bridge Repairs	—	—	—	7,997.66	12,557.23	9,998.00	9,991.99	40,544.88
Sewer Construction	132,993.63	83,022.02	78,521.26	153,782.51	128,973.97	104,631.85	116,270.96	1,160,524.59
Paving	106,825.55	200,797.68	141,966.79	149,016.23	148,975.27	152,828.70	68,836.81	1,255,502.67
Macadam	89,802.49	93,907.84	100,037.95	100,000.00	111,959.23	111,947.28	281,208.70	1,085,638.33
New Sidewalks ..	18,387.47	21,177.02	20,598.16	34,691.63	22,273.38	21,648.30	20,000.00	200,115.88
Bridge Construction	113,085.37	14,008.15	63,411.54	25,076.77	14,943.23	—	59.59	326,859.50
Paving & Widening Lawrence St.	—	—	—	—	—	—	—	1,444.44
Pawtucket Bridge	—	—	—	—	—	—	—	49,950.00
Widening School St. and	—	—	—	—	—	—	—	7,056.31
Mammoth Road	—	—	—	—	—	—	—	287.30
Dummer St. Sale	—	—	—	—	—	—	—	11,625.19
Dummer St. Extension	—	—	—	—	—	—	—	139,803.23
First St. Extension	—	80,696.96	25,498.70	1,012.98	183.34	3,415.30	—	—

Widening Locke St.	5,286.55	898.70	—	—	—	—	—	12,634.77
Relief of Unemployed	—	29,996.67	—	—	—	—	—	29,996.67
Snow Removal	—	—	—	—	—	—	50,000.00	50,000.00
Anne St. Parkway	—	9,275.08	15.88	—	—	—	709.04	10,000.00
Widening Hall & Aiken Sts. ..	—	—	8,169.37	—	—	—	—	30,000.00
Removal of B. & M. R. R. Crossing	—	—	354.43	—	—	—	—	1,391.40
Paving Lawrence St. (1923)	—	—	9,000.00	—	—	—	—	9,000.00
Paving Lawrence St. (1924) ..	—	—	—	—	—	—	—	17,528.22
Paving Lawrence St. (1926)	—	—	—	—	—	—	—	13,323.57
Oakland Main Sewer	—	—	—	—	—	—	13,323.57	48,974.67
Macadam Special	—	—	—	—	—	—	—	60,000.00
Resurface Central Bridge	—	—	—	—	—	—	—	11,000.00
Paving Lakeview Ave. (1925) ..	—	—	—	—	—	—	1,328.01	20,550.51
Paving Lakeview Ave. (1926) ..	—	—	—	—	—	—	91.98	20,685.16
Paving Stevens St.	—	—	—	—	—	—	20,685.16	9,896.50
Central Bridge	—	—	—	—	—	—	—	42,000.00
Elmer Brook Bridge	—	—	—	—	—	—	16,353.31	21,000.00
Paving Bridge St.	—	—	—	—	—	—	17,030.58	32,511.58
Standish St. Macadam	—	—	—	—	—	—	11.93	5,049.63
Repairs Moody St. Bridge	—	—	—	—	—	—	—	8,311.51
Safety Guard—Chelmsford	—	—	—	—	—	—	—	2,755.07
Street Bridge	—	—	—	—	—	—	—	7,885.61
Fifth Ave. Extension	—	—	—	—	—	—	4,927.36	\$981,209.60
	\$1,040,641.99	\$1,324,273.58	\$1,193,712.65	\$1,376,552.84	\$1,337,839.70	\$1,282,562.15		\$11,307,286.43

STREETS LAID OUT AND ACCEPTED IN 1917

Streets	Location	Width in Ft.	Length in Ft.	Order Adopted
Anderson	.....Anderson Ct. to Stromquist Av.	30	623.4	Dec. 12
Belle Ave.	.....Stevens St. westerly	40	298.7	Apr. 24
Chatham	.....Stevens St. westerly	40	451.8	" "
Garden Road	Andover St. to Clark Road...	40	859.9	July 25
Gardner Ave.	End of Acc. portion southerly to Mt. Hope St.	35	87.8	Dec. 26
Seventh Ave.	Mt. Grove St. to Dunfey St...	50	300.0	" "
Seneca	.....Gorham St. to Chippewa St...	40	658.7	" 12
Sparks	.....Riverside St. easterly	45	615.2	June 19
Total	.....		3895.5	
			0.73778 Miles	

Number of miles of accepted streets Jan. 1, 1917	.....143.34
Number of miles of streets accepted in 1917	..... 0.74
Number of miles of accepted streets Jan. 1, 1918	.....144.08
Number of miles of unaccepted streets, about	..... 73.00

STREET ORDERS

APPLETON AND THORNDIKE STS.

Portions of the easterly line of Thorndike St. and southerly line of Appleton St. were reestablished, and the streets widened.

By Order adopted May 15, 1917.

BELMONT AVE.

A portion of the grade of Belmont Ave. from Whiteman St. northerly 714.4 feet was changed.

By Order adopted Dec. 31, 1917.

CHELMSFORD ST.

A portion of the southerly line was reestablished and widened, beginning at Thorndike St. and extending northwesterly to near Railroad bridge.

By Order adopted Feb. 9, 1917.

HOMEWOOD ST.

This street was laid out and accepted, and the name changed to Garden Road.

By Order adopted July 25, 1917.

KITSON ST.

Kitson St., from Dutton St. to Worthen St., was discontinued as a public street, and a new street of the same name was laid out about 215 feet northerly of the old location.

By Order adopted Feb. 6, 1917.

LAKEVIEW AVE. AND FRED ST.

Land at their intersection discontinued as a public street, and transferred to Jennie G. Giffin. Containing an area of 288 square feet.

By Order adopted July 18, 1917.

MARKET ST. AND SUFFOLK ST.

A portion of the southerly line of Market St. and easterly line of Suffolk St. was reestablished, and said streets widened.

By Order adopted Oct. 30, 1917.

PAWTUCKET FALLS BRIDGE

An Order to borrow \$24,000 for the construction of a bridge of stone, concrete or iron superstructure over the Merrimack River at Pawtucket Falls, from School St. to Mammoth Road was adopted May 8, 1917.

VARNUM AVE.

An Order to borrow \$20,000 for acquiring and developing real estate for park purposes on the southerly side of Varnum Ave. between Mammoth Road and Pawtucket Falls Dam, was adopted March 21, 1917.

FAIR GROUNDS

An Order to borrow \$20,000 for acquiring land for public parks on site of Old Fair Grounds was adopted July 11, 1917.

STREETS LAID OUT AND ACCEPTED IN 1918

Streets	Location	Width in Ft.	Length in Ft.	Order Adopted
Homestead Rd.	Hildreth St. Southwesterly...	40	218.70	July 9
Lang St.	Midland St. to Avery Ct.	40	488.06	" 2
Total			706.76	
			0.13386 Miles	

Number of miles of accepted streets Jan. 1, 1918144.08

Number of miles of streets accepted in 1918 0.13

Number of miles of accepted streets Jan. 1, 1919.....144.21

Number of miles of unaccepted streets, about 73.00

Number of miles of streets, accepted and unaccepted217.21

STREET ORDERS

ANDOVER AND NESMITH STS.

Portions of the southerly line of Andover St. and easterly line of Nesmith St. were changed, and said streets widened at their intersection.

By Order adopted Dec. 11, 1918.

CARDINAL O'CONNELL PARKWAY

The strip of land thirty (30) feet in width lying within the Dummer St. Extension was transferred from the Dept of Streets and Highways to the care and custody of the Board of Park Commissioners of the City of Lowell.

By Order adopted April 30, 1918.

CLARE AND OLIVER STS.

Portions of Clare and Oliver Sts. were relocated, the westerly and northerly lines defined, and the name changed to Clare St.

By Order adopted Oct. 29, 1918.

HANOVER ST.

So much of Hanover St. as lies northerly of the northerly line of Moody St. was discontinued.

By Order adopted Nov. 13, 1918.

HILDRETH ST.

A portion of the westerly line of Hildreth St., at Homestead Road, was changed and reestablished.

By Order adopted July 9, 1918.

NESMITH AND ROGERS STS.

Land at the junction of Nesmith and Rogers Sts., taken by the City of Lowell by Order adopted May 4, 1915, to facilitate foot travel, containing about five thousand one hundred seventy-nine (5179) square feet, was set apart and reserved for a public park, to be in the care and control of the Board of Park Commissioners.

By Order adopted Sept. 10, 1918.

PRINCETON ST.

An Order and portion of an Order to lay permanent sidewalks of edgestones and concrete on portions of the southerly side of Princeton St. from Sayles St. westerly fifty (50) feet, and from Dartmouth St. easterly fifty (50) feet, were rescinded.

By Order adopted Aug. 20, 1918.

SHAW ST.

The grade of a portion of Shaw St. from Wilder St. westerly two hundred eighteen (218) feet, was changed and reestablished.

By Order adopted May 14, 1918.

WOBURN AND WILDER STS. BRIDGES

The sum of Six Thousand Dollars (\$6,000) was appropriated for the construction of bridges over the Boston & Maine R. R. on Woburn and Wilder Sts.

By Order adopted June 11, 1918.

STREETS LAID OUT AND ACCEPTED IN 1919

Streets	Location	Width in Ft.	Length in Ft.	Order Adopted
*Bennett	Pine St. to Shaw St.	40	730.57	Nov. 4
Canada	East Line Main St. Easterly to Old Colony R. R.	45	204.50	May 22
Fairgrove Ave.	Princeton St. to Shawmut Av.	40	422.29	Nov. 4
Hazel	Rogers St. to Wentworth Av.	40	396.54	" 12
Main	South Line of Canada St., Northerly	50-40	327.42	May 22
Waugh	Walker St. to Wilder St.	40	574.23	Aug. 7
Westminster ..	Stevens St. to Newbury St...	40	371.48	Oct. 9
			3027.03	
			0.57330 Miles	

* Name changed to Morey St.

Number of miles of accepted streets, Jan. 1, 1919	144.21
Number of miles of streets accepted in 1919	0.57
Number of miles of accepted streets, Jan. 1, 1920	144.78
Number of miles of unaccepted streets, Jan. 1, 1920, about	74.40
Number of miles of streets, accepted and unacceptd	219.18

STREET ORDERS

ANDOVER ST. AND WENTWORTH AVE.

Portions of the southerly line of Andover St. and westerly line of Wentworth Ave. were changed, and said streets widened at their intersection.

By Order adopted March 11, 1919.

STAFFORD AND MANSFIELD STS.

The names of the above streets were changed to Stafford Road and Mansfield Road, respectively.

By Order adopted May 13, 1919.

PINE AND BURTT STS.

Portions of the northerly line of Pine St. and the easterly line of Burtt St. were changed, and said streets widened at their intersection.

By Order adopted Sept. 23, 1919.

WIDENING OF STREET INTERSECTIONS

One of the most noticeable improvements in street construction is the widening of street intersections. During the past year two very dangerous intersections have been so widened, and one other in the residential district has been widened at the instance of the property owner, he donating the land and the City doing the work.

The following tables give the work in detail, and the appended graphical sketches show the roadway gained by the said widening.

ANDOVER ST. AND WENTWORTH AVE.

This has long been a dangerous intersection, owing to the fact that a high bank and wall shut off the view from both streets. A curve of fifty feet radius was put in, and the embankment lowered.

Regulation.

91.9 lin. ft. edge set.

1 new catch basin built.

91.7 lin. ft. paved gutter 3.5 ft. wide laid.

25.7 cu. yds. dry bank wall rebuilt,

Average height, 6.0 ft.

Average thickness, 1.5 ft.

Length, 77.0 ft.

293.2 sq. yds. tar macadam laid.

DUTTON AND FLETCHER STS.

Much needed space for vehicles and pedestrians was gained by widening the intersection of the easterly side of Dutton St. and northerly side of Fletcher St. This land was taken a few years ago, and the work was done at the time of paving.

Regulation,

134.95 lin. ft. edge. set.

3.5 lin. ft. old edge. reset.

WIDENING OF STREET INTERSECTIONS

PINE AND BURTT STS.

About 235 square feet of land was taken, the roadway being increased so much and greatly improving the appearance of the lot.

Regulation,

54.1 lin. ft. old edge. reset.

3.3 lin. ft. new edge. set.

STREETS LAID OUT AND ACCEPTED IN 1920

Streets	Location	Width in Ft.	Length in Ft.	Order Adopted
Christian	Methuen St. Southerly.....	40	600.0	June 1
Raven Road ..	Mansfield Road Northerly...	60	118.2	Oct. 13
Upham	From Angle West of Chelms-			
	ford St. to Stevens St.	40	604.5	" "
D	Stevens St. to Chauncey St...	35	188.2	Nov. 9
St. James	Meadowcroft St. Easterly...	40	373.2	Dec. 21
Albert	Chelmsford St. to Stevens St.	40	492.9	" "
Total			2377.0	
			0.45019 Miles	

Number of miles of accepted streets, Jan. 1, 1920	144.78
Number of miles of streets accepted in 1920	0.45
Number of miles of accepted streets, Jan. 1, 1921	145.23
Number of miles of unaccepted streets, Jan. 1, 1921, about.....	74.40
Number of miles of streets, accepted and unaccepted, 1921.....	219.63

STREET ORDERS

BARTLETT ST.

Portions of the northerly and southerly lines of Bartlett St. were changed and reestablished.

By Order adopted Jan. 13, 1920.

WESTMINSTER AND NEWBURY STS.

Portions of the northerly line of Westminster St. and easterly line of Newbury St. were changed, and said streets widened at their intersection.

By Order adopted June 8, 1920.

LOCKE ST.

Land with buildings thereon was taken by the City for the purpose of widening and relocating Locke St.

By Order adopted Aug. 10, 1920.

LAWRENCE AND ROGERS STS.

Land at the junction of Lawrence and Rogers Sts. was taken by the City for the purpose of widening and improving said streets.

By Order adopted Aug. 27, 1920.

NEWHALL ST.

The grade of a portion of Newhall St., from Chambers St. southwesterly was changed.

By Order adopted Dec. 10, 1920.

WIDENING OF STREET INTERSECTIONS, 1920

A street improvement much noted by, and of great benefit to the travelling public is the widening of streets at their intersections.

During the past year improvements have been made along this line at the following places:—

FLETCHER ST.

In connection with the paving of Fletcher St., the edgestone line was relocated on the westerly side between Dutton St. and Western Ave., thereby gaining from 4 to 5 feet roadway space for vehicles.

LAWRENCE AND ROGERS STS.

This corner has always been a dangerous intersection on account of lack of view of the intersecting streets. Conditions were improved greatly by widening the intersection of the easterly side of Lawrence St. and the southerly side of Rogers St., the City taking the land and doing the work at the time of paving.

Regulation at Lawrence St.

34 ft., more or less, picket fence replaced.

155 sq. ft. land taken.

LOCKE ST.

Locke St., running between Gorham and South Sts. was widened by the taking of 7765 square feet of land, as per plan.

WESTMINSTER AND NEWBURY STS.

About 266 square feet of land was deeded to the City by the owner on the easterly side of Newbury St. and north side of Westminster St., the City rounding the corner at the time of laying edgestones.

LAWRENCE STREET BRIDGE

In connection with the Lawrence St. Concord River Bridge recently completed, the City has done the following work in grading the approaches. The grade at both ends of the bridge has been raised about 1.5 feet, necessitating considerable filling.

Regulation,

274 cu. yds. filling, approximately.

47 cu. yds. new bank wall built.

161 lin. ft. old edgestone reset.

29 lin. ft. new edgestone set.

68 lin. ft. old edgestone reset on Moore St.

1 new catch basin built.

1 new track basin built.

52.9 ft. picket fence built.

This work is unfinished and will be completed this spring.

STREETS LAID OUT AND ACCEPTED

Streets	Location	Width in Ft.	Length in Ft.	Order Adopted
Arcadia Ave.	Princeton St. to Shawmut Ave.	40	442.84	Sept. 13
Cascade Ave.	Princeton St. to Shawmut Ave.	40	422.41	" "
French	Bridge St. to Kirk St.	60-58	810.56	July 5
Kimball Ave. ..	Queen St. Easterly	25	199.84	Nov. 29
Linwood	Midland St. to Forest St.	40	308.75	April 5
Pentucket Ave.	Andover St. Southerly	45	400.00	Dec. 20
Porter Terrace	Porter St. to Sherman St. ...	20	308.95	" "
Total			2873.35	
			0.54420 Miles	

Number of miles of accepted streets, Jan. 1, 1921	145.23
Number miles of streets accepted in 1921	0.54
Number of miles of accepted streets, Jan. 1, 1922	145.77
Number of miles of unaccepted streets, Jan. 1, 1922, about	74.98
Number of miles of streets, accepted and unaccepted, 1922	220.75

STREET ORDERS

PAWTUCKET ST.

A portion of the grade of Pawtucket St., from a point 143.5 feet southwesterly of the point of tangency of curve at grade crossing, northeasterly a distance of 505 feet, was reestablished.

By Order adopted March 22, 1921.

DARTMOUTH ST.

A portion of the grade of Dartmouth St., from Westford St. to Princeton St., was reestablished.

By Order adopted April 20, 1921.

EAST MERRIMACK ST.

The name of that portion of East Merrimack St. which extends from its intersection with Andover St. northerly to Rivercliff Road, was changed to Rivercliff Road.

By Order adopted Nov. 15, 1921.

LOCKE ST.

The northerly line of Locke St. was relocated, and the grade reestablished.

By Order adopted Dec. 29, 1921.

STEVENS AND PINE STS.

The westerly line of Stevens St. and the northerly line of Pine St. were changed at their intersection, and said streets widened.

By Order adopted Dec. 31, 1921.

ROGERS ST. AND FORT HILL AVE.

A portion of the northerly line of Rogers St. and easterly line of Fort Hill Ave. were changed, and said streets widened at their intersection.

By Order adopted Dec. 31, 1921.

ROGERS AND HANKS STS.

A portion of the northerly line of Rogers St. and westerly line of Hanks St. were changed, and said streets widened at their intersection.

By Order adopted Dec. 31, 1921.

STREETS LAID OUT AND ACCEPTED

Streets	Location	Width in Ft.	Length in Ft.	Order Adopted
Brookings	Paige St. to French St.....	66	152.28	Sept. 7
Emery	Blodgett St. to Lang St.....	40	946.00	June 1
Olive	Gorham St to B. & M. R. R.	40	478.30	" 15
Maryland Av.	E. L. Royalston Ave. to West- erly 68	40	68.00	Oct. 19
Wellington Av.	Rogers St. to Park Ave. East	40	691.36	Nov. 16
Belrose Av. ...	Waverly Ave. to Wellington Ave.	40	550.00	" "
Total			2885.94	
			0.54658 Miles	

Number of miles of accepted streets, Jan. 1, 1922	145.77
Number of miles of accepted streets in 1922	0.55
Number of miles of accepted streets Jan. 1, 1923	146.32
Number of miles of unaccepted streets Jan. 1, 1923	75.29
Number of miles of accepted and unaccepted streets Jan. 1, 1923..	221.61

STREET ORDERS

ANNE ST.

From the Northerly line of Merrimack St., to the Southerly line of French St. was discontinued as a public street.

By Order adopted March 2, 1922.

ANNE ST.

An order designating Anne St., from the intersection of Merrimack St. to the intersection of French St. for use as a public market place, was repealed.

By Order of March 2, 1922.

FIRST ST.

From Bridge Street Easterly 4795.51 ft. was widened and the grade established.

By Order adopted June 1, 1922-Sept. 14, 1922.

PRINCETON ST.

From Wilder St. to City Line was changed to Princeton Boulevard.

By Order adopted May 18, 1922.

HALE AND LINCOLN STS.

A portion of the Southerly line of Hale Street and Easterly line of Lincoln Street were changed and said streets widened at their intersection.

By Order Adopted.

WEST SIXTH AND JEWETT STS.

A portion of the Northerly line of West Sixth Street and Easterly line of Jewett St. were changed and said streets widened at their intersection.

By Order Adopted.

STEVENS AND PINE STS.

A portion of the Westerly line of Stevens Street and Southerly line of Pine Street were changed and said streets widened at their intersection.

By Order Adopted.

STEVENS AND PINE STS.

A portion of the Easterly line of Stevens Street and Southerly line of Pine Street were changed and said streets widened at their intersection.

By Order Adopted.

THE FOLLOWING SQUARES WERE NAMED AS BELOW IN MEMORY OF MEN WHO WERE KILLED IN THE LATE WAR

Liberty Square, so-called, to "Cranna-Manning Square."

By Order Adopted June 1, 1922.

Intersection of Thorndike and Middlesex Streets to "Joseph G. Belanger Square."

By Order Adopted June 1, 1922.

Towers Corner, so-called, to "George Francis H. Rogers Square."

By Order Adopted Dec. 7, 1922.

Area at junction Saratoga and Gorham Streets to Carlisle Street named "William Joseph Molloy Square."

By Order Adopted Dec. 7, 1922.

Davis Square, so-called, to "William Gallagher Square."

By Order Adopted Dec. 7, 1922.

Square formed by Easterly junction of Middlesex and Branch Streets, called "Charles J. Roy Square."

By Order Adopted June 1, 1922.

Area at junction of Moody and Tremont Streets, "Joseph Mercier Square."

By Order Adopted July 20, 1922.

Area at junction of Riverside and Moody Streets, "Chalifoux Square."

By Order Adopted July 20, 1922.

Area at junction of Salem and Common Streets, "Armand Alix Square."

By Order Adopted July 20, 1922.

Area at junction of Merrimack and Pawtucket Streets, "Henry Cognac Square."

By Order Adopted July 20, 1922.

Area at junction of Aiken St. and Lakeview Ave., "Bernard Boisvert Square."

By Order Adopted July 20, 1922.

Area at junction of Moody and Aiken Sts., "William H. Cloutare Square."

By Order Adopted July 20, 1922.

Area at junction of Dummer Street and Broadway in the vicinity of the Mann School. "Joseph Worthy Square."

By Order Adopted July 20, 1922.

Area at junction of Cabot and Merrimack Streets, "Ralph Lashua Square."

By Order Adopted July 20, 1922.

Area at junction of Hall and Perkins Streets. "Joseph Veillette Square."

By Order Adopted July 20, 1922.

STREETS LAID OUT AND ACCEPTED

Streets	Location	Width in Ft.	Length in Ft.	Order Adopted
Harland Ave.	From pt. 240.7 ft. North of Andover St. N'ly	50	150.00	Feb. 20
Gertrude Ave.	Westford St. to Princeton St.	50	596.55	May 8
Phoebe Ave.	..Sarah Ave. N'ly	40	303.37	" "
Sayles	Middlesex St. to Princeton St.	40	1315.23	" "
Hawthorne ..	Parker St. N'ly	40	390.78	June 5
Ellis Ave.	Mammoth Road S'ly	50	336.91	" "
Blodgett	Emery St. to Forest St.....	40	639.76	Oct. 2
Ruth	Parker St. S'ly	40	511.21	" "
Concord	Rogers St. to Alton St.	40	744.66	" 23
Total			4988.47	
			0.94479 Miles	

Number of miles accepted streets, Jan. 1, 1923.....	146.32
Number of Miles accepted streets in 1923	0.94
Number of miles accepted streets Jan. 1, 1924	147.26
Number of miles unaccepted streets Jan. 1, 1924	75.94
Number of miles accepted and unaccepted streets, Jan. 1, 1924....	223.20
Area of City, 14.1 square miles.	

STREET ORDERS

STEVENS AND PINE STS.

A portion of the easterly line of Stevens Street and southerly line of Pine Street was changed and said streets widened at their intersection.

By Order Adopted Feb. 6, 1923.

STEVENS AND PINE STS.

A portion of the westerly line of Stevens St. and southerly line of Pine St. was changed and said streets widened at their interscetion.

By Order Adopted Feb. 6, 1923.

WEST SIXTH AND JEWETT STS.

A portion of the northerly line of West Sixth St. and easterly line of Jewett St. was changed and said streets widened at their intersection.

By Order Adopted Feb. 6, 1923.

HALE AND LINCOLN STS.

A portion of the southerly line of Hale St. and easterly line of Lincoln St. was changed and said streets widened at their intersection.

By Order Adopted Feb. 6, 1923.

CORAL AND BRANCH STS.

A portion of the easterly line of Coral St. and southerly line of Branch St. was changed and said streets widened at their intersection.

By Order Adopted May 8, 1923.

AIKEN AND HALL STS.

A portion of Aiken St. and Hall St. was taken and said streets widened at their intersection.

By Order Adopted Sept. 4, 1923.

WESTFORD AND PINE STS.

A portion of the northerly line of Westford St. and easterly line of Pine St. was changed and said streets widened at their intersection.

By Order Adopted June 5, 1923.

WESTFORD AND PINE STS.

A portion of the southerly line of Westford St. and easterly line of Pine St. was changed and said streets widened at their intersection.

By Order Adopted June 5, 1923.

CHELMSFORD STREET

A portion of the easterly line of Chelmsford St. at the angle south of Shaw St. was changed and the street widened at this point.

By Order Adopted June 5, 1923.

WESTFORD STREET

A portion of the southerly line of Westford St. at the angle West of Florence Ave. was changed and the said street widened.

By Order Adopted June 5, 1923.

BUTMAN ROAD

The easterly line of Butman Road from Andover St. to Hovey St. was reestablished and said street widened 10 feet.

By Order Adopted Dec. 18, 1923.

WORTHEN AND NEW KITSON STS.

Worthen St. from Broadway to Northern Bank of the Western Canal and New Kitson St. from Dutton St. to Worthen St. were discontinued.

By Order Adopted May 1, 1923.

THE FOLLOWING SQUARES WERE NAMED AS BELOW IN MEMORY OF MEN WHO WERE KILLED IN THE LATE WAR

The junction of Agawam, Andrews and Lawrence Sts. was named "Francis H. McOsker Square".

By Order Adopted Feb. 6, 1923.

The junction of Wamesit, Abbott, Rogers and Lawrence Sts. was named "James H. Danckert Square".

By Order Adopted Feb. 6, 1923.

The junction of Pine, Loring, Hastings and Westford Sts. was named "Lorne E. Cupples Square."

By Order Adopted Feb. 6, 1923.

The junction of D St. and Harris Ave. bordering on Chauncey St. was named "McOsker Circle".

By Order Adopted Feb. 6, 1923.

The junction of Chelmsford, Plain, Powell and Houghton Sts. was named "Raymond B. Messer Square".

By Order Adopted Feb. 6, 1923.

The junction of High and East Merrimack Sts. was named "Michael Fenton Square".

By Order Adopted Feb. 6, 1923.

The junction of High and Andover Sts. was named "George W. Brick Square".

By Order Adopted Feb. 6, 1923.

The junction of High and Rogers Sts. was named "Edward T. Gillis Square".

By Order Adopted Feb. 6, 1923.

The junction of Fairmount, Boylston and Rogers Sts. was named "James A. Welch Square".

By Order Adopted Feb. 6, 1923.

The junction of Market and Suffolk Sts. was named "Athenasios Maichalopoulous Square".

By Order Adopted Feb. 6, 1923.

The junction of Fletcher, Cross and Willie Sts. was named "John Leo Connolly Square."

By Order Adopted May 8, 1923.

The junction of Charles and Central Sts. was named "Manuel T. Martin Square."

By Order Adopted Aug. 21, 1923.

The junction of Powell and Smith Sts. was named "Manuel W. Perry Square."

By Order Adopted Aug. 21, 1923.

The junction of East Merrimack, Alder and Nesmith Sts. was named "Eugene A. Tansey Square."

By Order Adopted Nov. 6, 1923.

The junction of Nesmith and Rogers Sts. opposite Waverly Ave. was named "Raymond E. Chappell Square."

By Order Adopted Nov. 6, 1923.

STREETS LAID OUT AND ACCEPTED

Streets	Location	Width in Ft.	Length in Ft.	Order Adopted
Arbor Road...	Andover St. to Frothingham St.	45	360.02	Oct. 7
Birch	Wentworth Ave. W'ly	40	427.60	Nov. 4
Bunker Hill..	Lakeview Ave. to West Sixth St.	40	649.36	" "
Carolyn	Ennell St. to Ferry Lane....	40	699.12	Aug. 19
Corbett.	Stromquist Ave. W'ly	40	368.18	" 5
Crawford	Fifth Ave. to Sixth Ave.	40	300.13	" 19
Eastview	Butman Road E'ly	40	290.70	" 5
Florence Road	Gibson Road W'ly and S'ly....	50	757.40	" "
Gibson Road	Pine St. to Parker Road.....	65	397.18	" "
Harland Ave.	From end of accepted portion to Florence St.	50	550.80	Nov. 4
Lura	Parker St. S'ly to end accepted part	40	624.00	June 10
Parker Road..	Parker St. to Florence Road..	80	370.28	Aug. 5
Remington	From end of accepted portion to Havilah St.	45	470.62	" "
Sycamore	Fairmount St. to Wentworth Ave.	40	710.10	" 19
Totals			6975.49	
			1,32111 Miles	

Number of miles accepted streets Jan. 1, 1924	147.26
Number of miles accepted streets in 1924	1.32
Number of miles accepted streets Jan. 1, 1925	148.58
Number of miles unaccepted streets Jan. 1, 1925	76.58
Number of miles accepted and unaccepted streets Jan. 1, 1925.....	225.16
Area of City, 14.1 square miles.	
Population Chamber of Commerce 1924, 125,000.	

STREET ORDERS

SUFFOLK STREET

The lines of a portion of Suffolk Street between Merrimack and Market Streets were relocated.

By Order Adopted April 15, 1924.

LAKEVIEW AVENUE

A portion of Lakeview Ave. was widened and the northeasterly line reestablished.

By Order Adopted June 10, 1924.

DAVENPORT TER. EAST & DAVENPORT ST. WEST

Davenport Terrace East and Davenport St. West were renamed "Tyler Park."

By Order Adopted June 10, 1924.

D AND CHAUNCEY STS.

A portion of the southerly line of D St. and easterly line of Chauncey St. were reestablished and said streets widened at their intersection.

By Order Adopted Sept. 2, 1924.

HILDRETH ST. AND LILLEY AVE.

A portion of the westerly line of Hildreth St. and northerly line of Lilley Ave. were reestablished and said streets widened at their intersection.

By Order Adopted Dec. 16, 1924.

STEVENS AND MIDLAND STS.

A portion of the easterly line of Stevens St. and southerly line of Midland St. reestablished and said streets widened at their intersection.

By Order Adopted Oct. 21, 1924.

HOLYROOD AVENUE

A portion of the westerly line of Holyrood Ave. at Butman Road and Hovey St. was reestablished.

By Order Adopted Oct. 7, 1924.

HAZEL ST. AND WENTWORTH AVE.

A portion of the northerly line of Hazel St. and westerly line of Wentworth Ave. were reestablished and said streets widened at their intersection.

By Order of Municipal Council Adopted Oct. 21, 1924.

FLETCHER ST. AND BROADWAY

A portion of the easterly line of Fletcher St. and northerly and southerly lines of Broadway were reestablished and said streets widened.

By Order Adopted Nov. 4, 1924.

ROGERS AND FAIRMOUNT STS.

A portion of the northerly line of Rogers St. and southerly line of Fairmount St. were reestablished and said streets widened at their intersection.

By Order of Municipal Council Adopted Dec. 16, 1924.

THE FOLLOWING SQUARES WERE NAMED AS BELOW IN MEMORY OF MEN WHO WERE KILLED IN THE LATE WAR

The junction of Coburn and Jewett Streets was named Charles K. Buck Square.

By Order Adopted Nov. 18, 1924.

The junction of West Sixth, Jewett and Hampshire Streets was named Peter R. Moulton Square.

By Order Adopted Nov. 18, 1924.

The junction of Third and Durant Streets was named Ralph G. Hurd Square.

By Order Adopted Nov. 18, 1924.

The junction of Bridge and First Streets and Bridge St. and Lakeview Ave. was named Frank J. Lyons Square.

By Order Adopted Nov. 18, 1924.

STREETS LAID OUT AND ACCEPTED

Streets	Location	Width in Ft.	Length in Ft.	Order Adopted
Adam Terrace	Andover St. Southerly	47	619.8	Dec. 15
Chatham	From end accepted portion			
	W'ly	40	325.0	Sept. 1
Cumberland Rd.	Ennell St. to Lilley Ave.....	40	226.1	Dec. 15
Delard	West Sixth St. S'w'ly	40	626.3	Nov. 3
Fourth Ave. ..	Moody St. to Dracut St.	60	230.0	Sept. 15
Puffer	A St. to Parker St.	40	589.0	Dec. 15
Seneca	Chippewa St. E'ly	40	315.0	Nov. 3
Walden	Oakland St. to Parker St.	40	315.1	Oct. 6
Wellman	Chelmsford St. E'ly	40	410.0	Sept. 1
West Forrest	Clifford St. to Twiss St.	40	148.0	Sept. 1
			3804.3	
			0.72051 Miles	

Number of miles accepted streets, Jan. 1, 1925148.58

Number of miles streets accepted in 1925 0.72

Number of miles accepted streets Jan. 1, 1926149.30

Number of miles unaccepted streets Jan. 1, 1926 76.79

Number of miles accepted and unaccepted streets, Jan. 1, 1926...226.09

Area of City, 14.1 square miles.

Population Chamber of Commerce Jan. 1, 1926, 125,000.

STREET ORDERS

BRIDGE STREET

A portion of the westerly line of Bridge Street was changed and said street widened at angle opposite Tenth Street.

By Order Adopted Sept. 15, 1925.

STREETS LAID OUT AND ACCEPTED

Streets	Location	Width in Ft.	Length in Ft.	Order Adopted
Belrose Ave...	Wellington Ave. to Knapp Ave.	40	395.0	Oct. 5
Fairlawn	Wilder St. to Greenfield St...	40	454.0	Dec. 21
Fifth Ave.	Mt. Grove St. to Mammoth Rd.	50	463.8	Oct. 5
Frothingham	Butman Rd. to Arbor Rd. ...	45	1114.1	Feb. 16
Glenwood	Butman Rd. to Luce St.	45	504.2	Apr. 20
Greenfield	Parker St. to Fairlawn St....	40	374.6	Oct. 5
Havilah	From end accepted portion E'ly to Remington St.	50	576.3	Oct. 19
John	Paige St. to French St.	66	152.0	Aug. 3
Luce	Andover St. southerly	45	1415.6	Aug. 3
Monadnock Av.	Westford St. northerly	50	489.5	Oct. 19
Pawtucket ...	From E'ly end of St. E'ly to Aiken St.	50	1054.5	Aug. 3
Pentucket Av.	From end accepted portion S'ly	45	333.3	Oct. 5
Preston	Stevens St. to Wellesley Ave.	40	208.0	Oct. 5
Silver	Pine St. to Staples St.	40	320.9	Oct. 5
Sixth Ave.	Moody St. to Endicott St.	50	416.2	Oct. 19
			8272.0	
			1.57 Miles	

Number of miles of accepted streets, Jan. 1, 1926149.30
 Number of miles streets accepted in 1926 1.57

Number of miles accepted streets Jan. 1, 1927150.87
 Number of miles unaccepted streets Jan. 1, 1927 75.22

Number of miles accepted and unaccepted strets, Jan. 1, 1927..226.09
 Area of City, 14.1 square miles.

Population Chamber of Commerce Jan. 1, 1927, 125,162.

STREET ORDERS

JENNESS AND STEVENS STS.

A portion of the northerly line of Jenness Street at its intersection with the easterly line of Stevens Street was reestablished and widened.

By Order Adopted July 6, 1926.

HUMPHREY AND WILLARD STS.

Land at corner of Humphrey and Willard Streets, used by the Street Department for many years, bought of George Bowers for One Hundred Fifty Dollars (\$150).

By Order Adopted Aug. 17, 1926.

STONE BOUNDS SET 1926

Street	Location	Date Set
Fifth Ave	S. L., E. L. Mammoth Road	Dec. 9

STREETS LAID OUT AND ACCEPTED

Streets	Location	Width in Ft.	Length in Ft.	Order Adopted
Boisvert	W. Sixth St. to Carolyn St....	40	267.30	Sept. 20
Bourne	Otis St. N'y to end accepted part	40	479.85	Oct. 4
Bradstreet Ave.	Parker St. to Puffer St.	40	995.10	July 5
Cumberland Rd.	Aiken Ave. to Leeds St.	40	656.90	Dec. 20
Dalton	Lilley Ave. to Aiken Ave.	40	216.20	Sept. 20
Endicott	Sixth Ave. to Seventh Ave. ..	40	395.24	Dec. 20
Fairlawn	Greenfield St. E'y	40	139.09	July 5
Fourth Ave...	Dracut St. to Emery Ave....	60	729.50	Dec. 20
July ..	Twelfth St. to Thirteenth St.	40	520.30	Apr. 5
Mort Ave.	Methuen St. to Beacon St. ..	40	486.20	Sept. 20
Pentucket Ave.	From end of accepted portion S'y to Mansur St.	45	201.70	June 7
Usher	Norcross St. to Upham St. ...	40	224.70	July 5
Wellesley Ave.	W. Albert St. to Chelmsford St.	40	655.70	Oct. 4
White	From end accepted portion N'y to Emery Ave.	50	309.50	Sept. 20
			6277.28	
			1.19 Miles	

Number of miles accepted streets, Jan. 1, 1927150.87

Number of miles streets accepted in 1927 1.19

Number of miles accepted streets, Jan. 1, 1928152.06

Number of miles unaccepted streets Jan. 1, 1928 74.20

Number of miles accepted and unaccepted streets, Jan. 1, 1928....226.26

Area of City, 14.1 square miles.

Population Chamber of Commerce Jan. 1, 1928.

STREET ORDERS

CHELMSFORD AND STEVENS STS.

A portion of the westerly line of Chelmsford St. and easterly line of Stevens Street was reestablished and said streets widened at their intersection. Order adopted May 12, 1927.

HIGHLAND AND PARKER STS.

A portion of the westerly line of Highland Avenue and northerly line of Parker Street was reestablished and said streets widened at their intersection. Order adopted July 19, 1927.

HAWTHORN AND PARKER STS.

A portion of the westerly line of Hawthorn Street and northerly line of Parker Street was reestablished and said streets widened at their intersection. Order adopted July 19, 1927.

OAKLAND AND PARKER STS.

A portion of the westerly line of Oakland Street and northerly line of Parker Street was reestablished and said streets widened at their intersection. Order adopted July 19, 1927.

BRANCH AND DOVER STS.

A portion of the southerly line of Branch Street and easterly line of Dover Street was reestablished and said streets widened at their intersection. Order adopted July 19, 1927.

SIDEWALKS ACCEPTED, 1917

Streets	Location	Description	Order Adopted
Behrose Ave.	West side, from point 108 ft. west of west line Waverly Ave. westerly 75 ft., in front premises No. 23	Edge & Concrete	Jan. 11
Pine	North side, from point 51 ft. east of east line Stevens St. easterly 102 ft.	Concrete	" "
Putnam Ave.	West side, from Middlesex St. southerly 142 ft. in front premises Nos. 3, 7 & 9	Granolithic	Mar. 13

SIDEWALKS ACCEPTED, 1922

Streets	Location	Material	Length	Order Adopted
Dracut	N. S. in front prem. No 23	Edge & Concrete	40 ft.	June 15
Laurel	S. S. in front premises Nos. 29 to 31	Tar Concrete	50 "	" "
Moody	N. S. in front premises Nos. 737 to 747	"	104.38 "	" "
Moody	N. S. in front premises Nos. 767-769	"	50 "	" "
Wentworth Ave.	E. S. in front premises Nos. 30-36	"	108 "	" "
Woodcock	S. S. in front premises Nos. 29 to 31	"	93.3 "	" "
Gershon Ave.	W. S. in front premises Nos. 68, 70, 72	"	45 "	" "
Thorndike	E. S. in front premises No. 2	Cement		" "

SIDEWALKS ACCEPTED, 1923

Streets	Location	Material	Date Adopted
Moody	S. S. Fourth Ave. E'y 85 ft.	Concrete	June 5
Fourth Ave.	E. S. Moody St. S'y 87.5 ft.	"	"
Sarah Ave. ...	N. S. Phebe Ave. N'w'y 100 ft.	"	"
Rogers	N. S. Pleasant St. E'y 90.75 ft.	"	"
Fairgrove Ave.	E. S. from pt. 100 ft. N. of Princeton Boulevard N'y 276 ft.	"	"
Methuen	E. S. from pt. 136 ft. N'y of Mort Ave. N'y 60 ft.	Granolithic	"
Chelmsford	W. S. from pt. 72.7 N. of Grand St. N'y a distance of 89.1 ft.	"	19
High	E. S. from pt 118 ft. S. of Oak St. S'y a distance of 325.2 ft.	Concrete	"

SIDEWALKS, ACCEPTED, 1924

Streets	Location	Material	Date Accepted
Orchard	Varnum Ave. N'y 293.5 ft.	Cement	June 3
Methuen	From pt. 106.5 ft. N. of Mort Ave. N'y 60 ft. in front premises Nos. 159-161	"	June 10
Stevens	W. S. in front Nos. 323-325	Tar	Oct. 21
B	In front No. 63	Concrete	"
B	In front No. 69	"	"
B	In front No. 79	"	"
B	In front No. 99	"	"
Moore	In front No. 221	"	"
Eleventh	In front No. 61	"	"
Thlden	E. S. Moody St. N'y 90 ft.	"	"
Methuen	In front premises No. 123	"	"
Methuen	In front premises No. 131	"	"
Beacon	In front premises No. 145	"	"
Merrill Ave.	E. S. in front Lots Nos. 10 and 11, a distance of about 100 ft.	"	"
Methuen	In front premises No. 225	"	"
Merrill Ave.	In front premises No. 115	"	"
Hampshire	In front premises No. 24	"	"
Hampshire	In front premises No. 26	"	"
Hampshire	In front premises No. 30	"	"
Hampshire	In front premises No. 40	"	"
Hampshire	In front premises No. 71	"	"
Moody	In front premises Nos. 751 & 753	"	"
Moody	In front premises No. 889	"	"
Riverside	In front premises No. 285.	"	"
School	In front premises Nos. 179-181	Granolithic	Oct. 21
Forest	In front premises No. 38	"	"
Endicott	In front premises No. 62	"	"
Starbird	In front premises Nos. 44-46	Tar Concrete	"
Holden	In front premises Nos. 14-20	"	"
Endicott	In front premises No. 29	"	"

SIDEWALKS ACCEPTED, 1927

Streets	Location	Material	Date Accepted
Beacon	E. S., from pt. 450 ft. N. of Eleventh St., N'yly 50 ft.	Concrete	Sept. 20
Beacon	E. S., from pt. 241 ft. N. of Methuen St., N'yly 50 ft.	"	"
Lakeview Ave.	W. S., Bachman St. S'yly 80 ft.	"	"
Lakeview Ave.	W. S. Bachman St. N'yly to City Line 102 ft.	"	"
Nineteenth	N. S., Beacon St. W'yly 99.75 ft.	"	"
Hampshire	E. S., from pt. 74 ft. N. of W. Ninth St. N'yly 34.8 ft.	"	"
Sixth	N. S., Beacon St. W'yly 105 ft.	"	"
Rogers	N. S., Pleasant St. W'yly 49.5 ft.	"	"
Rogers	N. S., Pleasant St. W'yly 92.1 ft.	"	"
School	W. S., from pt. 105.6 ft. N. of Pawtucket St. N'yly 90 ft.	"	"
School	W. S., Crane Ave. S'yly 59 ft.	"	"
Inland	S. S., Blodgett St. E'yly 100 ft.	"	"
Stevens	E. S., from pt. 165.7 ft. N. of Princeton Blvd. N'yly 75 ft.	"	"
Sargent	N. S., Wannalancit St. E'yly 60 ft.	"	"
Moody	N. S., W. end of Bridge over Merr'k River W'yly 38.6 ft.	Cement	"
Market	N. S., Hanover St. W'yly to Western Canal Bridge	Concrete	"
Market	N. S., Suffolk St. E'yly to Western Canal Bridge	"	"
Chelmsford	W. S., Upham St. N'yly 229.5 ft.	"	"
Madison	N. S., Burns St. E'yly 99.9 ft.	Concrete	"
B	S. S., from pt. 65.2 ft. E. of Wilder St. E'yly 50 ft.	"	"
Pawtucket	N. S., Pawtucket Landing St. W'yly 74.7 ft.	"	"
Highland Ave.	E. S., from pt. 375 ft. S. of Bond St. S'yly 50 ft.	"	"
Seventh Ave.	W. S., from pt. 70 ft. S. of Beatrice Ave. S'yly 60 ft.	Concrete	Sept. 20
Wedge	S. S., Highland Ave. E'yly 164.6 ft.	Granolithic	Oct. 4
Lawrence	S. S., from pt. 159 ft. E. of Woburn St. E'yly 63.6 ft.	"	"

W. Sixth	S. S., from pt. 80 ft. E. of Boisvert St. E'y 40 ft.	"	"
Beacon	E. S., Methuen St. S'y 108.2 ft.	"	"
Methuen	S. S., Beacon St. E'y 113.8 ft.	"	"
Staples	W. S., from pt. 150 ft. S. of Westford St. S'y 50.2 ft.	"	"
Woodward Ave.	N. S., Mammoth Rd. to Wright St.	"	"
Moody	N. S., Riverside St. W'y 200 ft.	Concrete	"
Moody	N. S., Gershom Ave. W'y 100 ft.	"	"
Gershom Ave.	E. S., from pt. 234.6 ft. S. of Moody St. S'y 96 ft.	"	"
Gardner Ave.	W. S., from pt. 234 ft. S. of Moody St. S'y 96 ft.	"	"
Phebe Ave.	W. S., Sarah Ave. N'y 65.87 ft.	"	"
Dracut	N. S., from pt. 45 ft. W. of Third Ave. W'y 200 ft.	"	"
Methuen	N. S., from pt. 110 ft. E. of Beacon St. E'y 119 ft.	"	"
Burnside	W. S., from pt. 148 ft. S. of Middlesex St. S'y 77.5 ft.	"	"
Avon	N. S., from pt. 45 ft. W. of Sixth Ave. W'y 180 ft.	"	"
Avon	S. S., from pt. 90 ft. W. of Sixth Ave. W'y 90 ft.	"	"
Third Ave.	E. S., from pt. 100.9 ft. N. of Mammoth Rd. N'y 40 ft.	"	"
Endicott	N. S., from pt. 165 ft. E. of Sixth Ave. E'y 120 ft.	"	"
Wentworth Ave.	E. S., from pt. 66 ft. S. of Andover St. S'y 445 ft.	"	"
Plummer Ave.	W. S., from pt. 169 ft. N. of Andover St. N'y 100 ft.	"	"
Mt. Hope	N. S., from pt. 48.4 ft. W. of Colonial Ave. W'y 78 ft.	"	"
Nineteenth	S. S., from pt. 122 ft. E. of Willard St. E'y to Beacon St.	"	"
Merrill Ave.	E. S., from pt. 300 ft. N. of Dundee St. N'y 50 ft.	"	"
Beacon	W. S., from pt. 50 ft. N. of Mort Ave. N'y 50 ft.	"	"
Mt. Hope	N. S., from pt. 126.4 ft. W. of Colonial Ave. W'y 100 ft.	Granolithic	"

SIDEWALK ORDERS ADOPTED IN 1917

Streets	Location	Len. Ft. Edge.	Width in Ft.	Order Adopted
Bellevue	West side, from point 253.8 ft. south of Thayer St. southerly	140.0	6	May 1
Chatham	South side, from point 300 ft. west of Stevens St. westerly	100.0	6	" "
Chelmsford	Southeast side, from Thorndike St. southwesterly to point near R. R. bridge		19	Feb. 5
Davenport St. W.	South side, from Pine St. easterly	91.0	6	May 1
*Draeut	South side, White St. to Fourth Ave.	330.0	6	May 29
Eleventh	North side, Aberdeen St. westerly	104.0	6	" 1
Eleventh	North side, Merrill Ave. easterly	141.0	6	Sept. 24
*Eleventh	South side, Merrill Ave. to Aberdeen St.	249.5	6	" "
*Georgia Ave.	West side, from point 270 ft. south of Pine St. southerly (Edge. & Concrete)	40.0	6	May 29
Hildreth	South side, Jewett St. westerly (Edge. & Concrete)	50.0	6	" 1
Hillside	North side, from point 164.1 ft. west of Temple St. westerly	46.3	6	" 29
Hillside	North side, Bellevue St. easterly	52.0	6	July 31
Hoyt Ave.	East side, from 203 ft. south of Waverly Ave. southerly, in front premises Nos. 74 & 78	100.0	6	May 1
*Mansur	North side, Wentworth Ave. easterly	275.00	7	Dec. 4
Place	East side Sanders Ave. easterly	67.0	6	Oct. 23
Pine	East side Davenport St. West southerly	128.0	6	May 1
Putnam Ave.	East side, Middlesex St. to Troy St.	587.7	6	" "
Hillside	N. S. from point 52 ft. east of Bellevue St. easterly	48.0	6	Aug. 24

SIDEWALK ORDERS ADOPTED IN 1918

Streets	Location	Lin. Ft. Edge.	Width in Ft.	Order Adopted
*Ralph	South side, Ware St. easterly	43.6	6	Dec. 26
*Riverside	North side, Mammoth Rd. easterly	71.2	7	Oct. 23
*Rogers	North side, from point 25.7 ft. east of Hanks St. easterly (Edge & Con.)	222.0	7	" "
*Rose Ave.	East side, from point 97 ft. north of W. Forest St. northerly (Edge. & Con.)	60.0	6	July 31
Sanders Ave.	East side, Pine St. southerly	143.7	6	Oct. 23
*Sargent	North side, Clare St. to Wannalancit St. (Edge. & Concrete)	76.2	6	May 29
*Sargent	North side, from point 60 ft. east of east line Wannalancit St. easterly	37.0	6	Sept. 24
*Sargent	North side, School St. to Wannalancit St. where not laid	262.0	6	Oct. 23
*Seventh Ave.	West side, from point 248.6 ft. north of Mammoth Rd. northerly	400.0	7	Dec. 26
Standish	South side, Colonial Ave. westerly. (Edge. & Con.)	93.6	6	June 5
Third Ave.	South side, from point 54.7 ft. west of White St. westerly 50 ft. (Concrete)		7	May 1
*Tyler Park W.	West side, Westford St. southerly (Edge. & Concrete)	100.0	6	Oct. 23
*Westford	South side, Tyler Park westerly 149.1 ft. (Concrete)		7	" "
West Sixth	South side, Bunker Hill St. westerly to Fire Engine House Lot	606.0	10	July 31
West Sixth	North side, Bunker Hill St. westerly	203.0	10	" "

*Uncompleted

Alken Ave.	East side, from end of present edgestones, near Hildreth St., northerly	100.0	6	Mar. 19
Clare	Both sides, from point about 694 ft. north of Broadway, at end of edgestones already laid, to Wannalancelt St.	248.4	5	Nov. 19
Clitheroe	South side, from point 84.5 ft. east of east line of Nesmith St. E'y, in front premises 15	74.6	6	Sept. 24
Dartmouth	East side, from Princeton St. southerly (Edge. & Concrete)	100.00	6	May 23
Davenport W.	South side, from point 92 ft. east of east line Pine St. easterly, in front premises No. 24	150.0	6	May 23
Foster	West side, from Princeton St. northerly,	74.0	7	" "
	East side, from Princeton St. northerly	100.0	7	" "
Foster	Both sides from Middlesex St. to Marginal St.	388.0	6	" "
Highland Ave.	West side, from Wedge St. southerly (Edge. & Concrete).	41.3	6	Sept. 10
Highland Ave.	West side, from point 41.3 ft. south of south line Wedge St. southerly (Edge & Concrete). ..	189.2	6	May 23
Hildreth	West side, from north line Homestead Rd. northerly	63.0	6	July 9
	West side, from south line Homestead Rd. southerly	57.0	6	" "
Homestead Rd.	Both sides, including Circle at end (Edge & Concrete).	535.3	7	" "
Marginal	North side, from west line Foster St. easterly to edge already laid	105.0	6	May 23
	South side, from east line Foster St. easterly to edge already laid	815.0	6	" "
*Princeton	South side, from Sayles St. westerly	50.0	7	" "
**Princeton	South side, from Dartmouth St. easterly	50.0	7	" "
	East side, from point 60 ft. north of north line Colonial Ave. northerly, in front premises			
Plymouth	Nos. 9-11-13, (Edge. & Concrete).	98.0	6	" "

* Uncompleted.

** Orders rescinded by Order adopted Aug. 20, 1918.

SIDEWALK ASSESSMENT ABATED

Concrete sidewalk assessment levied June 5, 1917, against property of Emma H. White on the westerly side of White St., amounting to Thirty Dollars and Ten Cents (30.10) abated by Order adopted Dec. 3, 1918.

SIDEWALK ORDERS ADOPTED IN 1919

Streets	Location	Lin. Ft. Edge.	Width in Ft.	Order Adopted
*Adams	West side, from point 156 ft. north of Liberty Sq. northerly in front No. 62. (Concrete only)		6	Mar. 25
B	North side, from Harris Ave. westerly (Edge. and cinders)	82.0	6	Nov. 12
B	North side, from Chauncey St. easterly (Edge. & cinders)	98.0	6	Oct. 9
Bartlett	North side, from point 106 ft. east of Fayette St. easterly, (Edge.)	43.0	7	" "
Bennett	See Morey St.			
Chauncey	East side, from B St. northerly, (Edge. & Cinders)	62.0	6	" "
Chauncey	East side, from point 119.5 ft. north of B St. northerly, (Edge. & Cinders)	52.2	6	Dec. 10
Chauncey	East side, from point 171.8 ft. north of B St. northerly, (Edge. & Cinders)	48.0	6	Dec. 23
*Chauncey	East side, from a point 62 ft. north of B St. northerly (Edge. & Cinders)	57.5	6	" "
**Chelmsford	West side, from Victoria St. northerly (Edge. & Concrete)	88.0	7	June 3
*Eugene	Both sides, from Billerica St. to Woburn St. (Edge. & Cinders)	1327.8	6	Dec. 2
*Fairgrove Ave.	Both sides, from Princeton St. to Shawmut Ave. (Edge. & Cinders)	844.5	6	Nov. 4
Fairmount	West side, from point 17 ft. north of south line Summit southerly in font No. 119. (Edge. & Cinders)	100.0	7	Apr. 29
Farmland Rd.	South side, from Lakeview Ave. to Dalton St. (Edge. & Cinders)	537.5	6	May 22

*Payette	East side, from Bartlett St. to Stackpole St. (Edge. & Granolithic	173.0	7	Oct. 9
Poster	East side, from point 98 ft. north of Princeton St. northerly. (Edge. & Cinders)	135.0	7	Aug. 7
Poster	West side, from point 223 ft. north of Princeton St. northerly. (Edge. & Cinders)	250.0	7	" "
Georgia Ave.	East side, from Asland St. southerly. (Edge. & Cinders)	90.0	6	May 22
Georgia Ave.	East side, from Pembroke St. southerly. (Edge. & Cinders)	100.0	6	July 22
Georgia Ave.	West Side, from point 200 ft. south of Tyler Park Southerly. (Edge. & Cinders)	375.0	9	Sept. 2
Highland Ave.	West side, from point 275 ft. north of Parker St. northerly. (Edge. & Cinders)	50.0	6	May 22
Highland Ave.	East side, from point 236 ft. north of Parker St. northerly. (Edge. & Cinders)	150.0	6	" "
*Hudson	North side, from point 123 ft. west of west line Richmond Ave. westerly in front No. 36. (Concrete only)			Mar. 25
Livingston Ave.	West side, from point 283 ft. north of Princeton St. northerly. (Edge. & Cinders)	231.0	7	May 6
Middlesex	South side, from Dingwell St. easterly. (Edge. & Cinders)	55.12	7	Aug. 7
***Moody	South side, from White St. easterly 59.6 ft. (Concrete only)			Oct. 9
Morey	West side, from Pine St. to Light Ave. (Edge. & Cinders)	456.5	6	Nov. 4

Morton	..... East side, from Roper St. southerly. (Edge. & Cinders)	50.0	6	Aug. 26
Pawtucket	..... North side, from No. 519 southwesterly, (Edge. & Cinders)	75.0	7	Oct. 9
Pembroke	..... South side, from Georgia Ave. easterly, (Edge. & Cinders)	132.0	6	July 22
Plymouth	..... North side, from point 64.4 ft. S. east of Riverside St. southeasterly. (Edge. & Concrete)	106.0	6	Aug. 7
Plymouth	..... North side, from point 169.98 ft. southeast of Riverside St. southeasterly. (Edge. & Concrete)	165.3	6	Sept. 9
Plymouth	..... North side, from Riverside St. southeasterly. (Edge. & Concrete)	64.3	6	" 16
Riverside	..... East side, from Standish St. southwesterly. (Edge. & Concrete)	92.05	7	" 9
Riverside	..... East side, from Plymouth St. northeasterly. (Edge. & Concrete)	90.0	7	" 16
Rogers	..... North side, from point 85 ft. east of east line Hazel St. easterly. (Edge. & Cinders)	49.9	7	July 29
Rogers	..... South side, from Berkeley Ave. easterly. (Edge. & Cinders)	95.2	7	" "
Roper	..... South side, from Morton St. easterly. (Edge. & Cinders)	45.3	5	Sept. 30
***Rose Ave.	..... West side, from W. Forest St. northerly. (Edge. & Concrete)	84.0	6	Nov. 20
*Rose Ave.	..... East side, from W. Forest St. northerly. (Edge. & Cinders)	97.5	6	Dec. 23
***Saratoga	..... North side, from point 382.4 ft. east of Gorham St. easterly. (Edge. & Concrete)	42.0	6	Sept. 9
*Stackpole	..... South side, from Fayette St. easterly. (Edge. & Concrete)	236.0	6	Oct. 9

Stevens	East side, from point 53 ft. north of Forest St. northerly in front No. 119. (Edge, & Concrete)	50.0	6	May	6
Stevens	Eastside, from point 177.3 ft. north of Chelmsford St. northerly. (Edge, & Cinders)	81.3	6	Sept.	9
**Thayer	North side, from Bellevue St. easterly. (Edge, & Concrete)	80.0	6	Mar.	25
**Victoria	North side, from Chelmsford St. westerly. (Edge, & Concrete)	111.5	6	June	3
Waverly Ave.	East side, from Rogers St. southwesterly. (Edge, & Cinders)	71.7	6	Nov.	20
West Forest	South side, from point 250 ft. west of Stevens St. westerly. (Edge, & Cinders)	50.0	6	Aug.	7
***West Forest	North side, from Rose Ave. westerly. (Edge, & Concrete)	64.0	6	Nov.	20
*West Forest	North side, from Rose Ave. easterly. (Edge, & Cinders)	102.2	6	Dec.	23
*Westminster	Both sides, from Stevens St. to Newbury St. (Edge, & Cinders)	696.76	6	Oct.	9
Wilder	Both sides, from point 91.3 ft. south of Shaw St. southerly. (Edge, & Concrete)	50.0	6	Aug.	7
*Woburn	Both sides, Juniper St. to Crystal St. (Edge, & Cinders)	4444.4	7	Dec.	2
Wyman	North side, from Nesmith St. easterly. (Edge, & Cinders)	125.0	7	May	6

* Not done.

** Edge, laid by City, Concrete laid by Abutter.

*** Uncompleted. Concrete not laid.

**** Work done by Abutter.

SIDEWALK ORDERS ADOPTED IN 1920

Streets	Location	Lin. Ft. Edge.	Width in Ft.	Order Adopted
Aberdeen	East side from point 107.9 ft. north of Tenth St. northerly. (Edge & Cinders)	80.0	6	July 27
**Albert	South side, from Chelmsford St. to Stevens St. (Edge & Concrete)	473.2	6	Dec. 21
Bartlett	South side, from Fayette St. to High St. (Edge. & Cinders)	121.0	6	Oct. 13
Bellevue	West side, from point 153.8 ft. south of Thayer St. southerly. (Edge & Concrete)	50.0	6	May 11
Bowers	South side, from Salem St. westerly. (Edge. & Cinders)	90.5	6	June 8
Chelmsford	West side, from Upham St. southerly. (Edge. & Cinders)	115.0	7	Nov. 16
D	South side, from Stevens St. to Chauncey St. (Edge. & Cinders)	188.16	5.5	" 9
Fayette	East side, from East Merrimaek St. to Bartlett St. (Edge. & Cinders)	227.0	7	Oct. 13
Fletcher	East side, from north end Thorndike St. northerly to Bridge		8	
	West side, from north end Thorndike St. northerly to Bridge. (Edge.)	114.0	11	June 8
High	West side, from East Merrimaek St. to Bartlett St. (Edge. & Concrete)	241.0	5	July 27
**Jewett	West side, from West Sixth St. southerly. (Edge. & Concrete)	46.0	7	Oct. 5
Main	East side, from Canada St. northerly. (Edge. & Cinders)	200.0	7	Nov. 23
*Moody	South side, from Gershom Ave. westerly. (Concrete only)			" 16
*Morton	East side, from point 56.2 ft. north of Lawrence St. northerly. (Edge & Cinders)	29.7	6	Dec. 14

Sanders Ave.	East side, from point 160 ft. north of Pine St. northerly. (Edge. & Cinders)	120.85	6	May 11
Sanders Ave.	East side, from point 365 ft. south of Davenport Terrace E. southerly. (Edge. & Cinders)	65.00	6	June 15
Staekpole	South side, from point 270 ft. east of Alder St. easterly, at No. 219. (Edge. & Cinders)	43.1	7	" 22
*Stevens	East side, from point 74 ft. south of Middlesex St. southerly 453 ft. (Concrete)			Oct. 5
**Stevens	East side, from Albert St. southerly. (Edge. & Concrete)	100.0	6	Dec. 28
Twelfth	South side, from point 512.2 ft. east of Bridge St. easterly. (Edge. & Concrete)	58.0	6	May 11
Upham	South side, from Chelmsford St. westerly. (Edge. & Cinders)	96.0	6	Nov. 16
*West Sixth	South side, from Jewett St. westerly 47 ft. (Concrete)			Oct. 5
Wilder	East side, from point 281.5 ft. south of Pine St. southerly. (Edge. & Cinders)	50.0	6	Sept. 14
Wilder	East side, from point 231.5 ft. south of Pine St. southerly. (Edge. & Cinders)	50.0	6	Nov. 2
Wilder	East side, from point 331.5 ft. south of Pine St. southerly. (Edge. & Cinders)	50.0	6	Nov. 9
Wilder	East side, from point 81.5 ft. south of Pine St. southerly. (Edge. & Cinders)	100.0	6	" "

* Not done.

** Edge. laid; Concrete not laid.

SIDEWALK ORDERS ADOPTED 1920-1921, AND WORK NOT DONE

Streets	Location	Order Adopted
Morton	E. S. from pt. 56.2 ft. N. of Lawrence St. N'ly 29.7 ft. Edgestones and Cinders.	Dec. 14, 1920
E. Merrimack	S. S. in front of Buick Garage, Granolithic	Nov. 8
Gorham	E. S. in front of Nos. 62-66, Granolithic	Oct. 25
Jefferson	W. S. in front of Nos. 57-71, Tar Concrete	Nov. 8
Jewett	W. S. Coburn St. to L. St. Edge. & Concrete	" 29
Lakeview Ave.	E. S. West Sixth St. S'ly. Tar Concrete	" 29
Mansur	S. S. Wentworth Ave. to Parkview Ave. Edge. & Cinders	Sept. 30
Market	S. S. in front Nos. 436-444. Tar Concrete	Nov. 8
Mt. Hope	N. S. White St. 50 ft. Edge. & Concrete	" 29
Oliver	E. S. School St. to Wannalancit St. Edge. & Cinders	Sept. 30
Parkview Ave.	W. S. Mansur St. to Hovey St. Edge. & Cinders	" "
Rogers	N. S. from pt. 85 ft. E. of E. L. Hazel St. E'ly, 49.9 ft. Tar Concrete	" 13
St. James	N. S. Meadowcroft St. E'ly 372.1 ft. Edge. & Cinders	Nov. 29
Third	B. S. Beacon St. to Llewellyn St. Edge. & Cinders	" "
White	E. S. Mt. Hope St. N'ly 130 ft. Edge. & Concrete	" "

SIDEWALK ORDERS ADOPTED 1921-1922, AND WORK NOT DONE

Streets	Location	Order Adopted
Rogers	N. S. from pt. 85 ft. E. of Hazel St. E'ly 49.9 ft. Tar Concrete.	Sept. 30, 1921
Olive	B. S. Gorham St. to B. & M. R. R. Edge. & Cinders	June 15, 1922
Wilder	E. S. from pt. 65 ft. S. of Shaw St. S'ly. Edge. & Concrete 103.8 ft.	Aug. 17
Chelmsford	W. S. from Liberty St. N'ly. Granolithic	"
Mt. Hope	S. S. Riverside St. W'ly. Edge. & Concrete	"
Sherman	S. S. Concord St. W'ly. 60 ft. Edge. & Cinders	Oct. 6
Riverside	E. S. Conduit St. to Emery Ave. Edge. & Cinders	"
Fairmont	E. S. Laurel St. N'ly. 50 ft. Edge. & Cinders	Nov. 16
Laurel	N. S. Fairmont St. E'ly. 129.8 ft. Edge. & Cinders	"
W. Sixth	B. S. West Sixth St. to Bunker Hill. Edge. & Cinders	"
Middlesex	S. S. from pt. 80.7 ft. W. of Harvard St. W'ly 81.0 ft. Edge. & Cinders	"
Riverside St.	W. S. White St. N'ly. Edge. & Cinders 100 ft.	"
Wellington Ave.	E. S. Rogers St. to Park Ave. E. Edge. & Concrete	"
Belrose Ave.	W. S. Waverly Ave. to Wellington Ave. Edge. & Concrete	"
French St.	S. S. Bridge St. to Brookings St. where not laid. Edge. & Concrete	"
Manchester	S. S. No. 66 to Quebec St. Edge. & Cinders	"

SIDEWALK ORDERS ADOPTED 1922-1923, WORK NOT DONE

Streets	Location	Length	Order Adopted
French	S. S. Bridge St. to Brookings St. where not laid. Edge. & Cinders 10 ft. wide		Nov. 16, 1922
Orleans	N. S. Lupine Rd. to Osgood Ave Edge. & Cinders 6 ft. wide		May 8, 1923
White	W. S. Avon St. N'ly. Edge. & Concrete 7 ft. wide	561.30	" " "
Epping	E. S. Lawrence St. to E. S. Burton St. Edge. & Cinders, 5.5 ft. wide	81.00	" " "
Crescent	B. S. Chelmsford St. to Blodgett St. Edge. & Cinders 5.5 ft. wide	1141.32	" " "
Stevens	W. S. from pt. 110 ft S. of Parker St. S'ly 60 ft. Edge. & Cinders 6 ft. wide.	666.30	" " "
Stevens	W. S. Fairfax St. N'ly. Edge. & Cinders 6 ft. wide	60.00	" " "
Staples	W. S. from pt. 150 ft. S. of Westford St. S'ly 50.23 ft. Edge. & Cinders 6 ft. wide.	100.00	" " "
Gertrude Ave.	W. S. not built. Edge. & Cinders 10 ft. wide	50.23	" " "
Branch St. & Coral St.	Concrete not laid	583.00	" " "
Phebe Ave.	B. S. Sarah Ave. N'ly (where not laid) Edge. & Cin. 6 ft. wide	535.00	" " "
Sayles	Princeton Boulevard to Middlesex St. Edge. & Cinders 6 ft. wide	100.00	" " "
Riverby	W. S. Lakeview Ave. S'ly. Edge. & Cinders 6 ft. wide	2625.00	June 5, 1923
Merrill Ave.	E. S. Methuen St. S'ly, tar concrete		" 22 "
Mt. Hope	N. S. Riverside St. S'ely. Edge. & Concrete 6 ft. wide		" " "
Riverside	E. S. Mt. Hope St. N'ely. Edge. & Concrete 7 ft. wide	195.60	" " "
Third Ave.	E. S. from pt. 190 ft. N. of Mammoth Rd. N'ly 50 ft. tar concrete	45.50	" " "
Mammoth Rd.	S. S. from pt. 31 ft. W. of Clinton Ave. W'ly 315 ft. tar concrete		" " "

Davenport Terrace E.	Florence Ave. W'ly. Edge, & Concrete 6 ft. wide	89.00	July 6, 1923
Varnum Ave.	S. S. from pt. 325 ft. W. of Pawtucket Boulevard W'ly 126 ft. Edge, & Cinders 7 ft. wide.	126.00	Sept. 18, 1923
Wedge	S. S. Highland Ave. E'ly. Edge & Cinders 6 ft. wide	165.00	" " "
Highland Ave.	E. S. Wedge St. S'ly. Edge, & Cinders 6 ft. wide	226.00	" " "
Riverside	W. S. from pt. 69 ft. S. of Moody St. S'ly. Edge, & Cinders	323.70	Oct. 2, 1923
Concord	B. S. Rogers St. to Alton St. Edge, & Cinders 6 ft. wide	1488.00	" 23 "
Highland Ave.	W. S. from pt. 344 ft. N. of Parker St. N'ly Edge, & Cinders 6 ft. wide	70.00	Nov. 6 "
B	N. S. Chauncey St. W'ly. Edge, & Cinders 6 ft. wide	73.00	" " "
Lawrence	W. S. from pt. 173 ft. N. of Wamesit St. N'ly 43 ft. tar concrete		" " "
Crawford	N. S. Fifth Ave. to Sixth Ave. Edge & Concrete 6 ft. wide	300.00	" " "
Albion	E. S. from pt. 65 ft. N. of W. Third St. N'ly. Edge, & Cinders 6 ft. wide	70.00	" " "
Merrill Ave.	E. S. from pt. 100 ft. N. of Dundee St. N'ly. Edge, & Cinders 6 ft. wide	50.00	" " "
Pine	E. S. int. with N. L. Westford St.		June 5, 1923
Pine	E. S. int. with S. L. Westford St.		" " "
McKinley Ave.	S. S. Rose Ave. W'ly. Edge, & Cinders 6 ft. wide	100.00	July 6, 1923
Farnland Rd.	N. S. Dalton St. E'ly. Edge & Cinders 6 ft. wide	150.00	" " "
Riverside	E. S. Emery Ave. to Alma St.	358.00	" " "
B	N. S. from pt. 92 ft. W. of Spaulding St. W'ly 37.5 ft. tar concrete		" " "

Gershon Ave.	B. S. Moody St. to Bodwell Ave.	Concrete	
Mt. Grove	N. S. Third Ave. to Fourth Ave.	Edge. & Concrete 7 ft. wide	348.60
		Total	10,681.55

SIDEWALK ORDERS PASSED BY MUNICIPAL COUNCIL

SIDEWALKS NOT BUILT 1922, 1923 & 1924

Streets	Location	Width Feet	Lin. Ft. Edgestone	Order Adopted
French	S. S. Bridge St. Brookings St. where not laid Edge. & Cinders	10		Nov. 16, 1922.
Epping	B. S. Lawrence St. to E. S. Burton St. Edge. & Cinders	5.5	1141.32	May 8, 1923
Sayles	B. S. Princeton Boulevard to Middlesex St. Edge. & Cinders	6	2625.00	May 22, 1923
Highland Ave.	W. S. from pt. 344 ft. N. Parker St. N'ly. Edge. & Cinders	6	70.00	Nov. 6, 1923
B	N. S. Chauncey St. W'ly. Edge. & Cinders	6	73.00	" " "
Pine	E. S. Int. with N. L. Westford St.			June 5, 1923
Pine	E. S. Int. with S. L. Westford St.			" " "
B	N. S. from pt. 92 ft. W. of Spaulding St. W'ly. 37.5 Tar Concrete			July 6, 1923
Lincoln	W. S. Angle St. S'ly. Edge & Cinders	7	150.00	April 15, 1924
Barrington	S. S. Agawam St. W'ly. 69.3 ft. Concrete			" " "
West Ninth	N. S. Bridge St. W'ly. 112 ft. Concrete			" " "
Stevens	W. S. from pt. 58 ft. S. of Chatham St. S'ly. to pt. 50 ft. S of Belle Ave	6	269.6	" " "
Upham	S. S. Stevens St. W'ly.	6	489.18	" " "
Belle Ave.	N. S. Stevens St. W'ly.	6	272.80	" " "
Belle Ave.	S. S. Stevens St. W'ly.	6	300.00	" " "
Chauncey	W. S. Shaw St. S'ly. Edge. & Cinders	6	86.37	July 1, 1924
Carolyn	B. S. Emmell St. to Ferry Lane	6	1353.30	Aug. 19, 1924
Fred	B. S. Lakeview Ave. N'ly. Edge. & Cinders	6	870.18	July 1, 1924
Albion	E. S. from pt. 60 ft. S. of W. Fourth St. S'ly. at No 17, Edge & Cinders	6	35.00	" " "
Merrill Ave.	E. S. Dundee St. N'ly. Edge. & Cinders	6	50.00	" " "

Liberty	S. S. Smith St. W'ly. Edge. & Cinders.	6	60.00	July 1, 1924
Smith	W. S. Liberty St. S'ly. Edge. & Cinders	6	160.00	" "
Rogers	S. S. Berkeley Ave. W'ly. Edge. & Cinders	7	92.97	" "
Berkeley Ave.	W. S. Rogers St. S'ly. Edge. & Cinders	7	118.44	" "
Butman Road	W. S. from pt. 97.4 ft. N. of Holyrood Ave. N'ly. at No. 183, Edge & Cinders.	6	116.80	" "
Washington	E. S. Leverett St. N'ly. at Nos. 108--110, Edge. & Cinders	6	54.00	" "
Albion	E. S. W. Fourth St. S'ly. Edge. & Cinders	6	60.00	Aug. 5,
Mt. Hope	N. S. from pt. 130 ft. W. of Fourth Ave. W'ly. Edge. & Coherete	7	40.00	" 19
Hughland Ave. ..	E. S. from pt. 55 ft. N. of Fairfax St. N'ly. Edge. & Cinders	6	55.00	" "
Lakeview Ave.	S. S. at Nos. 838-844, 45.5 ft. Granolithic	6		" "
Pawtucket	S. S. Mt. Washington St. E'ly. 80 ft. Granolithic			" "
Mt. Washington	E. S. Pawtucket St. S'ly 165.3 ft. Granolithic			" "
Wentworth Ave.	W. S. Birch St. to Sycamore St. Edge. & Cinders	7	200.00	" "
Sycamore	N. S. Wentworth Ave. W'ly. Edge. & Cinders	6	100.00	" "
D & Chauncey ..	S. S., E. S., at corner. Edge. & Cinders	6	47.42	Sept. 2
Gorham	W. S. from N. L. Premises No. 1397 to 1401 S'ly to City Line. Edge. & Cinders	7	1228.60	Oct. 7
Plymouth	S. S. from pt. 123 ft. W. of Colonial Ave. W'ly at No. 12. Edge. & Cinders	6	50.00	" "

Birch	S. S. Wentworth Ave. W'ly. Edge. & Cinders	6	100.00	Nov. 4, 1924
Sherman	S. S. Pleasant St. E'ly. Edge. & Concrete		88.70	" " "
Hildreth	E. S. By St. N'ly at No. 307. Edge & Cinders	6	32.00	Dec. 2, 1924
Middlesex	S. S. Putnam Ave. E'ly. Edge & Concrete	7	118.40	" " "
Varnum Ave.	S. S. Magnolia St. W'ly. Edge. & Cinders	7	142.50	Dec. 2, 1924
Shaw	N. S. Hutchinson St. to Sagamore St. Edge. & Cinders	6	403.13	" " "
Fairmount	W. S. Haines Ave. S'ly. . Edge & Cinders	7	120.20	" " "
Chauncey	E. S. D St. N'ly. Edge. & Cinders	6	50.00	" " "
Sixth Ave.	B. S. Mt. Hope St. to Moody St. Edge. & Cinders	7	1034.52	" " "
			<hr/>	
			14,870.61	
			Total	

SIDEWALK ORDERS PASSED BY MUNICIPAL COUNCIL

SIDEWALKS NOT BUILT 1922, 1923, 1924 & 1925

French	S. S. Bridge St. to Brookings St. where not laid.	Edge, & Cinders	10	Nov. 16, 1922
Epping	P. S. Lawrence St. to E. S. Burton St.	Edge, & Cinders	5.5	May 8, 1923
B	N. S. Chauncey St	W'yly Edge, & Cinders	6	Nov. 6, 1923
Lincoln	W. S. Angle St.	S'yly. Edge, & Cinders	7	Apr. 15, 1924
Chauncey	W. S. Shaw St.	S'yly. Edge, & Cinders	6	July 1, 1924
Carolyn	P. S. Ennell St. to Ferry Lane.	Edge, & Cinders	6	Aug. 19 "
Fred	B. S. Lakeview Ave.	N'e'ly. Edge, & Cinders	6	July 1 "
Albion	E. S. from pt. 60 ft. S. of West Fourth St.	S'yly at No. 17. Edge, & Cinders	6	" " "
Merrill Ave.	E. S. Dundee St.	N'yly. Edge, & Cinders	6	35.00
Liberty	S. S. Smith St.	W'yly. Edge, & Cinders	6	50.00
Smith	W. S. Liberty St.	S'yly. Edge, & Cinders	6	60.00
Rogers	S. S. Berkeley Ave.	W'yly. Edge, & Cinders	7	160.00
Berkeley Ave. ...	W. S. Rogers St.	S'yly. Edge, & Cinders	7	92.07
Washington	E. S. Leverett St.	N'yly at Nos. 108-110. Edge, & Cinders	6	118.44
Albion	E. S. W. Fourth St	S'yly. Edge, & Cinders	6	54.00
Wentworth Ave.	W. S. Birch St. to Sycamore St.	Edge, & Cinders	7	50.00
Sycamore	N. S. Wentworth Ave.	W'yly. Edge, & Cinders	6	200.00
D & Chauncey..	S. S., E. S. at corner.	Edge, & Cinders	6	100.00
B	N. S. Harris Ave.	E'yly. Edge, & Cinders	6	47.42
				87.30

Harris Ave.	E. S. B St. N'ly. Edge, & Cinders	6	89.70	Nov. 4, 1924
Sherman	S. S. Pleasant St. W'ly. Edge, & Cinders	6	90.00	" "
Walker	W. S. Bertha St. N'ly. Edge, & Concrete	6	57.60	" "
Varnum Ave.	S S. Avalon St. E'ly. Edge, & Cinders	7	294.50	" "
West Forest	S. S. from pt. 300 ft. W. of Stevens St. W'ly. Edge, & Cinders	6	50.00	" "
Farmland Rd.	E. S. Cumberland Rd. to Essex St. Edge, & Cinders	6	891.98	" "
Wilder	W. S. B St. N'ly. Edge, & Cinders	6	50.00	" "
B	N. S. Wilder St. W'ly. Edge, & Cinders	6	112.70	" "
Birch	S. S. Wentworth Ave. W'ly. Edge & Cinders	6	100.00	" "
Sherman	S S. Pleasant St. E'ly. Edge, & Concrete	6	88.70	" "
Middlesex	S. S. Putnam Ave. E'ly. Edge, & Concrete	7	118.40	Dec. 2
Shaw	N S. Hutchinson St. to Sagamore St. Edge, & Cinders	6	493.13	" "
Fairmount	W. S. Haines Ave. S'ly. Edge, & Cinders	7	120.20	" "
Sixth Ave.	E. S. Mt. Hope St. to Moody St. Edge, & Cinders	7	1034.52	" "
Crawford	S. S. from pt. 90 ft. W. of Fifth Ave. W'ly. Edge, & Cinders	6	72.80	Apr. 14, 1925
Liberty	S. S. Chelmsford St. W'ly. Edge, & Cinders	6	213.30	" "
Plymouth	S. S. Riverside St. E'ly. Edge, & Cinders	6	350.00	" "
Riverside	E. S. Plymouth St. S'ly. Edge, & Cinders	10	45.50	" "

Mammoth Rd. N. S. Eighth Ave. W'ly. Edge. & Cinders	7	100.00	Apr. 14, 1925
Eighth Ave. W. S. Mammoth Rd. N'ly. Edge. & Cinders	7	89.80	" "
Livingston Ave. W. S. from pt. 70 ft. N'ly of Lupine St. N'ly. Edge. & Cinders	7	40.00	June 6 "
Rogers N. S. W'ly from Pleasant St Edge. & Cinders	7	92.10	" " "
Sanders Ave. W. S. from Tyler Park to Pembroke St. Edge. & Cinders	7	215.00	" " "
Fleming B. S. Stevens St. to Newbury St. Edge. & Cinders	6	709.40	" 16 "
Stevens E. S. Midland St. S'ly. Edge. & Cinders	6	126.00	" " "
Winthrop Ave. .. N. S. from pt. 383 ft. W. of Powell St. W'ly. Edge. & Cinders	6	50.00	Aug. 4 "
Westford N. S. from Pine St. to Baldwin St. Edge. & Cinders	7	914.48	" " "
Smith W. S. from pt. 252 ft. S. of Westford St. S'ly. Edge. & Cinders	6	61.20	" " "
Shaw S. S. Wilder St. to Harris Ave. Edge. & Cinders	6	206.78	" " "
Wilder W. S. Shaw St. S'ly. Edge. & Cinders	6	76.30	" " "
W. Forest N. S. Clifford St. to Twiss St. Edge. & Cinders	6	148.00	" " "
Livingston Ave. W. S. Lupine St. N'ly. Edge. & Cinders	7	70.00	Sept. 1 "
Parker S. S. Stevens St. E'ly. Edge. & Cinders	6	643.00	" " "
Fourth Ave. E. S. Moody St. to Dracut St. Edge. & Cinders	8	229.97	" " "
Chase W. S. Swift St. N'ly. Edge. & Cinders	5.5	201.40	" " "
Perry E. S. from pt. 551.57 ft. S. of Rogers St. S'ly. Edge. & Cinders	6	50.00	Oct. 6 "
Victoria N. S. from pt. 191.5 ft. W. of Chelmsford St. W'ly in front No. 21. Edge. & Cinders.	6	50.10	" " "
Boylston E. S. Rogers St. to Berwick St. Edge. & Cinders	7	813.55	Dec. 15 "
Middlesex S. S. from pt. 33.3 ft. W. of Burnside St. W'ly 67.4 ft. in front No. 1384-1388, Edge, & Cinders	7	67.4	Dec. 15, 1925
Dracut N. S. Sixth Ave. E'ly 125 ft. Edge. & Cinders	6	125.00	" " "
Waugh N. S. from pt. 72 ft. W. of Walker St. W'ly. Edge. & Cinders	6	15.00	" " "
Cumberland Rd. B. S. Ennell St. to Lilley Ave. Edge. & Cinders	6	452.10	" " "
Total		14,449.01	

SIDEWALK ORDERS PASSED BY MUNICIPAL COUNCIL

SIDEWALKS NOT BUILT 1923, 1924, 1925 & 1926

Street	Location	Width	Lin. Ft.		Order Adopted
			Edgestone		
Epping	B. S. Lawrence St. to E. S. Burton St. Edge. & Cinders	5.5	1141.32	May 8, 1923	
Lincoln	W. S. Angle St. S'ly. Edge. & Cinders	7	150.00	Apr. 15, 1924	
Carolyn	B. S. Ennell St. to Ferry Lane. Edge. & Cinders	6	1353.30	Aug. 19, 1924	
Fred	B. S. Lakeview Ave. N'e'ly. Edge. & Cinders	6	870.18	July 1, 1924	
Albion	E. S. from pt. 60 ft. S. of W. Fourth St. S'ly at No. 17. Edge. & Cinders	6	35.00	" "	
Liberty	S. S. Smith St. W'ly. Edge. & Cinders	6	60.00	" "	
Smith	W. S. Liberty St. S'ly. Edge. & Cinders	6	160.00	" "	
Rogers	S. S. Berkeley Ave. W'ly. Edge. & Cinders	7	92.07	" "	
Berkeley Ave.	W. S. Rogers St. S'ly. Edge. & Cinders	7	113.44	" "	
Washington	E. S. Leverett St. N'ly at Nos. 108-110. Edge. & Cinders	6	54.00	" "	
Albion	E. S. W. Fourth St. S'ly. Edge. & Cinders	6	50.00	Aug. 5	
Wentworth Ave.	W. S. Birch St. to Sycamore St. Edge. & Cinders	7	200.00	" 19	
Sycamore	N. S. Wentworth Ave. W'ly. Edge. & Cinders	6	100.00	" "	
D & Channey	S. S. E. S. at corner, Edge. & Cinders	6	47.42	Sept. 2	
W. Forest	S. S. from pt. 300 ft. W. of Stevens St. W'ly. Edge. & Cinders	6	50.00	Nov. 4	
Farmland Rd.	B. S. Cumberland Rd. to Essex St. Edge. & Cinders	6	891.98	" "	
Birch	S. S. Wentworth Ave. W'ly. Edge. & Cinders	6	100.00	" "	
Middlesex	S. S. Putnam Ave. E'ly. Edge. & Concrete	7	118.40	Dec. 2	
Shaw	N. S. Hutchinson St. to Sagamore St. Edge. & Cinders	6	403.13	" "	
Fairmount	Haines Ave. S'ly. Edge. & Cinders W. S.	7	120.20	" "	

Sixth Ave. B. S. M. Hope St. to Moody St. Edge, & Cinders	7	1034.52	Dec. 2, 1924
Liberty	6	213.30	Apr. 14, 1925
Livingston Ave. W. S. from pt. 70 ft. No. of Lupine St. N'tly. Edge, & Cinders	7	40.00	June 6, "
Fleming	6	709.40	" " "
Winthrop Ave. ... N. S. Stevens St. to Newbury St. Edge, & Cinders	6	50.00	Aug. 4, "
Westford	7	914.48	" " "
Smith	6	61.20	" " "
Shaw	6	206.78	" " "
Wilber	6	76.30	" " "
W. Forest	6	148.00	Sept. 1, "
Livingston Ave. W. S. Lupine St. N'tly. Edge, & Cinders	7	70.00	" " "
Chase	5.5	201.40	Oct. 6, "
Victoria	6	50.10	Dec. 15, "
Boylston	7	813.55	" " "
Middlesex	7	67.40	" " "
Wauagh	6	15.00	" " "
Cumberland Rd. B. S. Russell St. to Lilley Ave. Edge, & Cinders	6	452.10	" " "
Hildreth	6	20.00	" " "

Glenwood	.....F. S. Butman Rd. to Luce St. Edge, & Cinders	.....10	1004.56	June 15, 1926
Wilder	.....W. S. from pt. 50 ft. N. of B St. N'ly in front No. 611. Edge, & Cinders	.....6	60.00	July 20 "
St. James	.....S. S. from pt. 203 ft. E. of Meadowcroft St. E'ly. Edge, & Cinders	.....6	100.00	" " "
Belrose Ave.	.....E. S. from pt. 270 ft. S. of Wellington Ave. S'ly in front No. 132. Edge, & Cinders	.....6	71.00	" " "
Foster	.....W. S. from pt. 73 ft. N. of Princeton Boulevard. N'ly. Edge, & Cinders	.....7	75.00	" " "
Victoria	.....N S. from pt. 241.6 ft W. of Chelmsford St. W'ly. Edge, & Cinders	.....6	181.50	" " "
Winthrop Ave.	.....N. S. from pt. 383 ft. W. of Powell St. W'ly. Edge, & Cinders	.....6	400.00	" " "
Pine	.....S. S. from pt. 50.1 ft. W. of Oakland St. W'ly. Edge, & Cinders	.....6	50.10	Aug. 17 "
Pine	.....S. S. from Pt. 150.3 ft. W. of Oakland St. W'ly in front Nos. 290-306. Edge, & Cinders	.....6	100.20	" " "
Crawford	.....N. S. Fifth Ave. to Sixth Ave. Edge, & Cinders	.....6	300.05	" " "
Upham	.....S. S. from pt. 463.2 ft. W. of Chelmsford St. W'ly in front No. 52-60. Edge, & Cinders	.....6	131.40	" " "
Viola	.....S. S. from pt. 505.2 ft. W. of Chelmsford St. W'ly, Edge, & Cinders in front of No. 54	.....6	50.00	" " "
Perry	.....E. S. from pt. 551.5 ft. S. of Rogers St. S'ly in front No. 270. Edge & Cinders	.....6	50.00	" " "
Beaver	.....N. S. Lakeview Ave. to Beaver Brook, Edge, & Cinders	.....6	530.40	Oct. 5 "
Greenfield	.....E. S. Parker St. to Fairlawn St. Edge, & Cinders	.....6	749.50	" " "
Sixth Ave.	.....B. S. Moody St. to Endicott St. Edge, & Cinders	.....6	752.00	Oct. 19, 1926
Rogers	.....N. S. from pt. 116 ft. S'e'ly of E. line Waverly Ave. in front premises Nos. 308-16, Edge, & Cinders	.....7		
Fairlawn	.....B. S. Wilder St. to Greenfield St. Edge & Cinders	.....6	122.00	Nov. 16 "
			865.71	Dec. 21 "
Total			16,852.39	

SIDEWALK ORDERS PASSED BY MUNICIPAL COUNCIL

SIDEWALKS NOT BUILT 1923-24-25-26-27

Street	Location	Width	Lin. Ft. Edgestone	Order Adopted
Epping	B. S. Lawrence St. to E. S. Burton St. Edge. & Cinders	5.5	1141.32	May 8, 1923
Fred	B. S. Lakeview Ave. N'ly, Edge. & Cinders	6	870.18	July 1, 1924
Albion	E. S. from pt. 60 ft. S. of W. Fourth St. S'ly at No. 17, Edge. & Cinders	6	35.00	" "
Liberty	S. S. Smith St. W'ly, Edge. & Cinders	6	60.00	" "
Smith	W. S. Liberty St. S'ly	6	160.00	" "
Rogers	S. S. Berkeley Ave. W'ly, Edge. & Cinders	7	92.07	" "
Berkeley Ave.	W. S. Rogers St. S'ly, Edge. & Cinders	7	118.44	" "
Washington	E. S. Leverett St. N'ly at Nos. 108-110, Edge. & Cinders	6	54.00	" "
Albion	E. S. W. Fourth St. S'ly, Edge. & Cinders	6	50.00	Aug. 5 "
Wentworth Ave.	W. S. Birch St. to Sycamore St. Edge. & Cinders	7	200.00	" 19 "
Sycamore	N. S. Wentworth Ave. W'ly, Edge. & Cinders	6	100.00	" "
W. Forest	S. S. from pt. 300 ft. W. of Stevens St. W'ly, Edge. & Cinders	6	50.00	Nov. 4 "
Birch	S. S. Wentworth Ave. W'ly, Edge. & Cinders	6	100.00	" "
Middlesex	S. S. Putnam Ave. E'ly, Edge. & Concrete	7	118.40	Dec. 2 "
Shaw	N. S. Hutchins St. to Saganore St. Edge. & Cinders	6	403.13	" "
Fairmount	W. S. Haines Ave. S'ly, Edge. & Cinders	7	120.20	" "
Sixth Ave.	E. S. Mt. Hope St. to Moody St. Edge. & Cinders	7	1034.52	" "
Liberty	S. S. Chelmsford St. W'ly, Edge. & Cinders	6	213.30	Apr. 14, 1925
Fleming	E. S. Stevens St. to Newbury St. Edge. & Cinders	6	709.40	June 6, 1925

Winthrop Ave.	N. S. from pt. 383 ft. W. of Powell St. W'ly, Edge. & Cinders	6	50.00	Aug. 4, 1925
Westford	N. S. from Pine St to Baldwin St. Edge. & Cinders	7	914.48	" "
Smith	W. S. from pt. 252 ft. S. of Westford St. S'ly. Edge. & Cinders	6	61.20	" "
Shaw	S. Wilder St. to Harris Ave., Edge. & Cinders	6	206.78	" "
Wilder	W. S. Shaw St. S'ly, Edge. & Cinders	6	76.30	" "
W. Forast	N. S. Clifford St. to Twiss St. Edge. & Cinders	6	148.00	Sept. 1
Chase	W. S. Swift St. N'ly, Edge. & Cinders	5.5	201.40	Oct. 6
Victoria	N. S. from pt. 191.5 ft. W. of Chelmsford St. W'ly in front No. 21, Edge. & Cinders	6	50.10	Dec. 15
Boylston	E. S. Rogers St. to Berwick St., Edge. & Cinders	7	813.55	" "
Middlesex	S. S. from pt. 33.3 ft. W. of Burnside St. W'ly in front Nos. 1384-1388, Edge. & Cinders	7	67.40	" "
Waugh	N. S. from pt. 72 ft. W. of Walker St. W'ly, Edge. & Cinders	6	15.00	" "
Hildreth	S. S. Essex St. W'ly, Edge. & Cinders	6	20.00	" "
Glenwood	B. S. Butman Rd. to Luce St., Edge. & Cinders	10	1004.56	June 15, 1926
Wilder	W. S. from pt. 50 ft. N. of B St. N'ly in front of No. 611, Edge. & Cinders	6	60.00	July 20
Belrose Ave.	E. S. from pt. 27 ft. S. of Wellington Ave. S'ly in front No. 132, Edge. & Cinders	6	71.00	" "
Foster	W. S. from pt. 73 ft. N. of Princeton Boulevard. N'ly, Edge. & Cinders	7	75.00	" "
Victoria	N. S. from pt. 241.6 ft. W. of Chelmsford St. W'ly, Edge. & Cinders	6	181.50	" "

Winthrop Ave.	N. S. from pt. 383 ft. W. of Powell St. W'ly, Edge, & Cinders	6	400.00	July 20, 1926
Crawford	N. S. Fifth Ave to Sixth Ave., Edge, & Cinders	6	300.05	Aug. 17 "
Upham	S. S. from pt. 463.2 ft. W. of Chestnut St. W'ly in front Nos. 52-60, Edge, & Cinders	6	131.40	" " "
Viola	S. S. from pt. 505.2 ft. W. in front No. 54, Edge, & Cinders	6	50.00	" " "
Perry	E. S. from pt. 551.5 ft. S. of Rogers St. S'ly in front No. 270, Edge, & Cinders	6	50.00	" " "
Beaver	N. S. Lakeview Ave. to Beaver Brook, Edge, & Cinders	6	530.40	Oct. 5 "
Sixth Ave.	E. S. Moody St. to Endicott St., Edge, & Cinders	7	752.00	" 19 "
Rogers	N. S. from pt. 116 ft. S'e'ly of E. L. Waverly Ave. in front Nos. 308-16, Edge, & Cinders	7	122.00	Nov. 16 "
Livingston Ave.	B. S. from Middlesex St. S'ly to Edge, previously laid, Edge, & Cinders	7	1245.20	May 3, 1927
Beacon	E. S. Eighteenth St. S'ly, Edge, & Cinders	6	56.00	" " "
Winthrop Ave.	S. S. from Pliny St. to Puffer St., Edge, & Cinders	6	450.00	June 7, "
Winthrop Ave.	N. S. from pt. 783 ft. W. of Powell St., W'ly to Puffer St. Edge, & Cinders	6	320.70	" " "
Pine	N. S. Georgia Ave. E'ly, Edge, & Cinders	6	10.00	" " "
Georgia Ave.	E. S. Pine St. N'ly, Edge, & Cinders	6	10.00	" " "
Washington	W. S. from pt. 20.6 ft. N. of S'ly Line Leverett St. N'ly, Edge, & Cinders	6	7.00	" 21 "
Bradstreet Ave.	B. S. Parker St. to Puffer St., Edge, & Cinders	6	1912.42	July 5, 1927
Anderson	B. S. Gorham St. to Stromquist Ave., Edge, & Cinders	5	1858.54	" " "
Essex St.	B. S. W. Sixth St. to Carolyn St., Edge, & Cinders	6	534.80	Sept. 20 "
White	B. S. from pt. 225.9 N. of Endicott St. N'ly to S. L. Emery Ave., Edge, & Cinders	7	624.84	" " "
Sargent & Phillips	S. S. E. S., at corner, Edge & Cinders	6	9.80	Oct. 18 "
Endicott	B. S. Sixth Ave. to Seventh Ave., Edge, & Cinders	6	630.46	Dec. 20 "
Cumberland	B. S. Aiken Ave. to Leeds St., Edge, & Cinders	6	1153.82	" " "
Total			20865.66	

NEW STREETS OPENED UP, 1927

Barasford Av. East Merrimack St. to An-		
do ver St.	611	40
Beatrice Ave. Seventh Ave. northwesterly	294	28
Corey .....Middlesex St. southerly	595	40

**NEW STREETS OPENED BY PERMISSION OF MUNICIPAL
COUNCIL, 1919**

Ursula St. ... Varnum Ave. northerly	945	40	Mar. 25
Barbara St. ... Varnum Ave. northerly	1005	40	" "
Dingwell St. .. Middlesex St. southerly	540	40	Apr. 23
Christman Av. Woburn St. to Bernier St. ..	880	50	June 24
Jean Ave. Woburn St. to Bernier St. ..	860	50	" "
Armand Ave. Woburn St. to Bernier St. ..	840	50	" "
Lowell St. ... Delmont Av. to Christman Av.	695	50	" "
Bernier St. .. Delmont Ave. northerly	910	50	" "
Beacon Ter-			
race Durant St. to Beacon St. ...	225	30	Sept. 23
Battles St. ... Broadway, northerly	255	40	Dec. 2
Minter St. ... Broadway, northerly	245	40	" "

7400

1.40 Miles

Number of miles of unaccepted streets, Jan. 1, 1919....73.00 Approx.

Number of miles of streets opened during 1919 1.40 "

Number of miles of unaccepted streets, Jan. 1, 192074.40 "

**NEW STREETS OPENED WITH PERMISSION OF MUNICIPAL
COUNCIL, 1921**

Beaudry	Lakeview Av. to Conduit Av.	580.0	40	Nov. 29
Hellene Ave.	Varnum Av. Southerly	590.0	40	Oct. 4
Sunnyside Ave.	Old Ferry Road Easterly	760.0	40	" "
Sutton Ave. ..	Beacon St. to Third St.	376.8	40	Apr. 5
Vincent	Beaudry St. to Conduit Ave.	250.0	40	Nov. 29
		<hr/>		
		3056.8—0.57893 Miles		

Number of miles of unaccepted streets, Jan. 1, 1921, 74.40 Approx.

Number of miles of streets opened in 1921 0.58 "

Number of miles of unaccepted streets, Jan. 1, 1922....74.98 "

STREETS OPENED BY PERMISSION OF MUNICIPAL COUNCIL

1922

Kelley Ave. ..Andover St. to E. Merrimack				
St.	40	828	Feb. 3	
Comerford Av. Andover St. to E. Merrimack				
St.	40	785	" "	
		1613		
		<hr/>		
			0.305.49 Miles	

Number of miles of unaccepted streets, Jan. 1, 1922....74.98 Approx.

Number of miles of streets opened in 1922..... 0.31 " "

Number of miles of unaccepted streets, Jan. 1, 1923....75.29 "

STREETS OPENED BY PERMISSION OF MUNICIPAL COUNCIL

1923

Streets	Location	Width in Ft.	Length in Ft.	Order Adopted
Wellworth	...Mammoth Road W'ly	40	525	June 19
Greenfield	....Parker St. to Fairlawn	40	370	Dec. 18
Fairlawn	....Wilder St. to land of Law- rence	40	540	" "
Village	.....Rogers St. to City Line.....	40	2000	" "
			3435 ft.	
			0.6505 miles	

Number of miles unaccepted streets Jan. 1, 192375.29 Approx.

Number of miles streets opened 1923 0.65 "

Number of miles unaccepted streets Jan. 1, 192475.94 "

STREETS OPENED BY PERMISSION OF MUNICIPAL COUNCIL

1924

Street	Location	Width in Ft.	Length in Ft.	Order Adopted
Ormsby	.....Methuen St. N'y	40	1150	Oct. 21
Rowell Ave.	..Humphrey St. E'y	40	730	" "
Belgrade Ave.	Ormsby St. E'y	40	420	" "
Luce	.....Glenwood St. S'y	45	720	Dec. 16
Glenwood	....At Luce Street	45	360	" "
			3380	
				0.6401 Miles

Number of miles unaccepted streets Jan. 1, 192475.94 Approx.

Number of miles streets opened 1924 0.64 "

Number of miles streets Jan. 1, 192576.58 "

STREETS OPENED BY PERMISSION OF MUNICIPAL COUNCIL
1925

Caleb	Middlesex St. to Black Brook	40	475	June 2
Locust	Samuel St. to Caleb St.....	40	160	" "
Samuel	Middlesex St. to Black Brook	40	495	" "
			1130	or
				0.2140 Miles

Number of miles unaccepted streets Jan. 1, 192576.58 Approx.

Number of miles streets opened 1925 0.21 "

Number of miles unaccepted streets Jan. 1, 192676.79 "

STREETS OPENED BY PERMISSION OF MUNICIPAL COUNCIL

1927

Ridge Rd. ...Glenwood St. to East View St.	45	919.23	May 3
		or 0.1739	Miles

Number of miles unaccepted streets Jan. 1, 192775.22

Number of miles of streets opened in 1927 0.17

75.39

Number of miles streets accepted in 1927 1.19

Number of miles unaccepted streets Jan. 1, 192874.20

SIDEWALKS BUILT AS ORDERED BY THE MUNICIPAL COUNCIL

1917

Streets	Location	Curved Stone	Lim Ft. Edge	Sq. Yds. Concrete	Width in Ft	Order Adopted	Built
Beaver	S. S. Lakeview Ave. W'tly		459.8		6	Nov. 22, 1916	Aug. 1917
Belleve	W. S. from pt. 253.8 ft. S. of Thayer St. S'tly		136.7		6	May 1	July
Chatham	S. S. from pt. 300 ft. W. of Stevens St. W'tly		100.0		6	" "	May
Chelmsford	E. S. from Thorndike St. S. W'tly to pt. near R. R. Bridge						
Davenport St. W. S. S. Pine St. E'tly					10	Feb. 9	March
Eleventh	N. S. Aberdeen St. W'tly	9.7	88.0		6	May 1	May
*Eleventh	S. S. Merrill Ave. to Aberdeen St.	9.5	104.0		6	May 1	Aug.
Eleventh	N. S. Merrill Ave. E'tly	9.5	52.3		6	Sept. 24	Sept.
Forest	N. S. Chelmsford St. to Stevens St.	83.6	141.0		6	" "	Aug.
Hildreth	S. S. Jewett St. W'tly at No. 78		1230.1		6	Sept. 19, 1916	Nov.
Hildreth	E. S. from pt. 32 ft. N. of By St. to pt. in Aiken Ave.		50.3	34.2	6	May 1	July
Hillside	N. S. from pt. 164.1 ft. W. of Temple St. W'tly		189.7		6	Nov. 22, 1916	"
Hillside	N. S. Bellevue St. E'tly		46.3		6	May 29	"
Hillside	N. S. from pt. 52 ft. E. of Bellevue St. E'tly		53.5	32.1	6	July 31	Sept.
Hillside	N. S. from pt. 52 ft. E. of Bellevue St. E'tly		48.0	32.2	6	Aug. 24	Sept.

Property	Value	Assessment	Year	Month
Hoyt Ave. E. S. from pt. 203 ft. S. of Waverly Ave. S'yly	100.0		6	Nov. 22, 1916
Lenox	97.2		6	Sept. 19, 1916
Moore	56.7		6	"
Pine	125.4		6	May 1
Pine	67.0	9.4	6	Oct. 23
Putnam Ave. E. S. Sanders Ave. E'yly	589.3	9.5	6	May 1
Robbins	366.1		6	Sept. 19, 1916
*Rogers	36.3		6	Aug.
*Rogers	218.2		7	Oct. 23
*Rose Ave. E. S. from pt. 25.7 ft. E. of Hanks St. E'yly	60.0		6	July 31
Sanders Ave. E. S. Fine St. S'yly	144.0		6	"
Sargent	103.2		6	Oct. 23
Standish	93.2		6	Nov. 22, 1916
Abutter			6	June 5
Stevens	100.0	9.5	6	May, June
Cosgrove	61.1		6	Nov. 22, 1916 & July 1917
S. S. Gorham St. to Stromquist Ave. N. S.	613.3		6	May 3, 1916
S. S.	614.4		6	June & July

Stevens	El. S. Victoria St. N'ly	98.0	65.5	6	Nov. 22, 1916	& July, 1917
Third Ave.	S. S. from pt. 54.7 ft. W. of White St. W'ly 50 ft. at		37.1	7	May 29	Aug.
	Nos. 73-75			6	Oct. 23	Nov
						May, June
*Tyler Park	W. S. Westford St. S'ly	175.4	109.5	6	Nov. 22, 1916	& July
Victoria	S. S. Stevens St. E'ly	125.0	76.4	6	"	"
Victoria	N. S. Stevens St. E'ly	47.1	597.1	10	July 31	July
West Sixth	S. S. Bunker Hill St. W'ly	196.4		10	"	"
West Sixth	N. S. Bunker Hill St. W'ly					Nov. '16
Woodward Ave.	N. S. Mammoth Rd. W'ly to End	38.3	819.3	6	Nov. 22, 1916	May '17
Totals		6304.0	2334.3			

* Uncompleted.

SIDEWALKS BUILT AS ORDERED BY THE MUNICIPAL COUNCIL

1917

(On Other Streets on Account of Paving & Maintenance)

Streets	Location	Curved Stone Lim. Ft.	Edgestone Lim. Ft.
Appleton, S. S. Gorham St. to Thorndike St.		53.9	269.7
Appleton, N. S. Gorham St. to Thorndike St.		40.0	30.0
Cardinal O'Connell Parkway, B. S. Merrimack St. to Market St.		113.2	321.2
Crosby, B. S. Central St. to Newhall St.		5.8	37.2
Dutton, W. S. at old Kitson St.			40.0
Market, B. S. Central St. to Canal Bridge		20.1	181.7
Market, N. S. at Cardinal O'Connell Parkway		31.6	
Total		264.6	879.8

98

STREET MAINTENANCE

Colburn, W. S. Merrimack St. to Moody St.	9.6	16.0
Moody, S. S. Colburn St. to Tilden St.		5.0
*School, B. S. at Pawtucket Bridge		300.0
Tilden, E. S. Merrimack St. to Moody St.	9.0	68.2
Grand Totals	18.6	389.2
	537.8	7573.0
		8110.8 Lin. ft.

* Uncompleted.

GRANULITHIC SIDEWALKS BUILT 1917

Appleton, S. S. at Nos. 100-106, J. A. Phardt	54.05	Contractor
Cardinal O'Connell Parkway, E. S. Market St. to Passageway	117.54	"
Cardinal O'Connell Parkway, W. S. Market St. to Congregational Church Property	46.95	"
Central, E. S. Front of Strand Building	39.65	"
Central, W. S. at Nos. 101-103-105, I. Witt	75.46	"
Central, W. S. at No. 111, Props. Locks & Canals	28.33	"
Gorham, E. S. at Mid'x County Court House (Repairs)	47.02	"
Market, N. S. at Nos. 91-93, Mrs. Newton J. Wier	45.93	"
Market, N. S. Cardinal O'Connell Parkway W'ly.	100.9	"
Merrimack, S. S. Nos. 324-328, Associate Bldg., (Repairs)	50.85	"
Merrimack, S. S. Nos. 350-356, David W. Dewar	74.00	"
Merrimack, S. S. Nos. 360-362, Emory T. Wright	26.40	"
Merrimack, S. S. Nos. 364-366, Harry L. Wheeler	24.77	"
Merrimack, S. S. Nos. 368-376, James F. O'Donnell	57.10	"
Merrimack, N. S. Spaulding St. westerly	81.30	"
Middlesex, N. S. Thorndike St. W'ly, Richardson House	74.50	"
Spalding, W. S. Merrimack St. N'ly.	61.20	"
Thorndike, W. S. Mid'x St. N'ly. Richardson House	65.60	"
Worthen, E. S. Merrimack St. S'ly, Associate Bldg. (Repairs)	13.54	"
Worthen, W. S. Merrimack St. S'ly. David W. Dewar	22.59	"
Total	1093.61	

SIDEWALK CONSTRUCTION WORK, 1917

Edgestone Set	\$110.80	Lin. ft.
Granolithic Walks, New and Repaired	1093.61	sq. yds.
Hard Concrete	6190.6	" "
Hard Top Dressing	5883.2	" "
Semi-Hard Concrete	2409.4	" "
Plain Top Dressing	39.3	" "
Total <u>14522.5</u>		sq. yds.

SIDEWALKS BUILT AS ORDERED BY THE MUNICIPAL COUNCIL.

1918

Streets	Location	Lin. Ft. Curved Stone	Lin. Ft. Edge.	Sq. Yds. Concrete	Width in Ft.	Order Adopted	Built
Clare	W. S. Wampanoag St. S'tly		138.9		5		
	E. S. Wampanoag St. S'tly	11.5	98.0		5	Nov. 19	Dec.
Chilthorne	S. S. from pt. 84.5 ft. E. of E. L. Nesmith St. E'tly		74.6		6	Sept. 24	Sept.
Dartmouth	E. S. Princeton St. S'tly	12.8	101.0	61.4	6	May 23	July
Dayenport St.							
West	S. S. from pt. 92 ft. E. of E. L. Pine St. E'tly		142.3		6	" "	Aug.
Beverly	S. S. Merrill Ave. E'tly	9.3	197.7		6	Sept. 24, '17	1918
Poster	E. S. Marginal St. to Mid'x St.	9.4	157.0		6	May 23	July,
Poster	W. S. Marginal St. to Mid'x St.	10.2	204.1		6	"	Aug., Sept.
Poster	E. S. Princeton St. N'tly	12.5	101.0		7	"	"
Poster	W. S. Princeton St. N'tly	12.5	75.0		7	"	June
Hildreth	W. S. Homestead Rd. N'tly	8.0	64.0	41.9	6	July 9	Aug. & Nov.
Hildreth	W. S. Homestead Rd. S'tly	8.4	58.0	37.9	6	"	"
Homestead Rd.	N. S.		182.6	84.3	7	"	"
	S. S.		185.8	82.4	7	"	"
Circle			165.0	75.3	7	"	"

Highland Ave. . . W. S. Wedge St. S'yly	8.9	41.2	27.5	6	Sept. 10	Sept.
Highland Ave. . . W. S. from pt. 41.3 ft. S. of S. L. Wedge St S'yly		189.2	115.6	6	May 23	Aug. & Oct.
Mansur		287.1		7	Dec. 4	May & June
Marginal	9.0	94.5		6	May 23	July & Aug.
	46.5	757.8		6	"	"
				6	"	Aug. & Sept.
Plymouth		98.0		7	Oct. 23, '17	May '18
Riverside		52.0	50.3	7	Oct. 23, '17	July, '18
Rogers			160.7	7	July 31, '17	1918
Rose Ave.			36.7	6	Dec. 26, '17	Aug.
Seventh Ave.		373.2		7	Oct. 23, '17	Nov. 1918
Tyler Park		96.0		6		

Appleton	Gorham St. to Thorndike St.	17.0	87.0	1978.8	8	Paving	1918
Central	Church St. to Elm St.	117.9	390.8	1457.9	"	"	"
Marginal	Wilder St. to Foster St.	18.9	11.7		6	"	"
Pawtucket Bridge							
Approaches ...	At School St., Varnum Ave. & Riverside St.		679.2	580.9	6 to 8	Bridge	"
Andover	High St. to Willow St.	11.0				Macad.	"
	At Nesmith St. Christian Science Church		84.0	114.1	10	Streets	"
Streets	Hard Concrete & Hard Top Dressing			1980.9			"
Grand Totals			5186.7	6112.6			
			323.8				

GRANOLITHIC SIDEWALKS BUILT AS ORDERED, 1918

Street	Location	Sq. Yds.
Cardinal O'Connell Parkway	E. S. from Mer'k St. S'y, at premises J. F. O'Donnell	105.87
Cardinal O'Connell Parkway	E. S. from Market St. N'y, at premises Thomas F. Hennessey	119.19
Cardinal O'Connell Parkway	W. S. from Market St. N'y at premiess Christos A. Chopelas	47.94
Cardinal O'Connell Parkway	W. S. from Mer'k St. S'y at premises First Congregational Church	195.16
Market N. S. from Cardinal O'Connell Parkway	W'y at prem- premises Christos A. Chopelas.....	47.94
Market N. S. from Cardinal O'Connell Parkway	E'y, at premises Thos. F. Hennessey	6.10
Total	.....	575.01

SIDEWALK CONSTRUCTION WORK, 1918

Edgestone Set	5510.5	Lin. Ft.
Granolithic Walks, New and Repaired	575.01	Sq. Yds.
Hard Concrete.....	4261.2	Sq. Yds.
Hard Top Dressing	1851.4	" "
Total Concrete	6112.6	" "
		6112.6 " "

SIDEWALKS BUILT AS ORDERED BY THE MUNICIPAL COUNCIL.

1919

Streets	Location	Lin Pl. Curved Stone	Lin Pl. Edge, Concrete	Sq. Yds. Concrete	Width in Ft.	Order Adopted	Built
B	N. S. Chauncey St., easterly	10.0	98.0	6	6	Oct. 9	Nov.
B	N. S. Harris Ave. westerly						"
Chauncey	E. S. B St. N'ty	9.6	82.4	6	6	Nov. 12	"
Chauncey	E. S. from pt. 119.5 ft. N. of B St., N'ty		56.7	6	6	Oct. 9	"
Chauncey	E. S. from pt. 71.8 ft. N. of B St., N'ty		52.2	6	6	Dec. 10	"
Chelmsford	W. S. Victoria St. N'ty	9.1	48.0	6	6	Dec. 23	Dec.
Fairmount	W. S. from pt. 17 ft. N. of S. L. Summit St. S'ty		88.0	7	7	June 3	June
Farnland Rd. ...	S. S. Lakeview Ave. to Dalton St.		100.0	7	7	Apr. 29	May
Foster	E. S. from pt. 98 ft. N. of Princeton St. N'ty		539.5	6	6	May 22	June
Foster	W. S. from pt. 223 ft. N. of Princeton St. N'ty		135.0	7	7	Aug. 7	Aug.
Georgia Ave.	E. S. from Ashland St. S'ty	9.65	150.0	7	7	" "	"
Georgia Ave.	E. S. from Pembroke St. S'ty	9.5	90.0	6	6	May 22	June
Georgia Ave.	W. S. from pt. 200 ft. S. of Tyler Park S'ty		100.0	6	6	July 22	"
Highland Ave. ...	E. S. from pt. 230 ft. N. of Parker St. N'ty		375.0	6	6	Sept. 2	Sept.
Highland Ave. ...	W. S. from pt. 275 ft. N. of Parker St. N'ty		150.0	6	6	May 22	June
Highland Ave. ...	W. S. from pt. 275 ft. N. of Parker St. N'ty		50.0	6	6	" "	"

Streets	Location	Lin. Ft. Curved Stone	Lin Ft. Edge, 276.0	Sq. Yds. Concrete	Width in Ft	Order Adopted May 6 Aug. 7 " 26 Oct. 9 July 22 Aug. 7 Sept. 9 " 11 " 9 " 16 July 29 " " Sept. 30 Nov. 20	Brick June Aug. Sept. Dec. June Aug. " " " " " " July " " Sept. Nov.
Livingston Ave.	W. S. from pt. 283 ft. N. of Princeton St. N'y				7		
Middlesex	S. S. Dingwell St. E'y	9.9	55.0		7	Aug. 7	Aug.
Morton	E. S. Roper St. S'y	7.2	49.2		6	" 26	Sept.
Pawtucket	N. S. No. 519 S. W'y		75.8		7	Oct. 9	Dec.
Pembroke	S. S. Georgia Ave. E'y		132.0		6	July 22	June
Plymouth	N. S. from pt. 64.4 ft. S. E. of Riverside St. S. E'y		106.0	64.7	6	Aug. 7	Aug.
Plymouth	N. S. from pt. 169.98 ft. S. E. of Riverside St. S. E'y		163.31	101.2	6	Sept. 9	" "
Plymouth	N. S. Riverside St. S. E'y	9.5	65.1	39.3	6	" 11	" "
Riverside	E. S. Standish St. S. W'y	9.3	80.85	69.2	7	" 9	" "
Riverside	E. S. Plymouth St. N. E'y		82.85	67.6	7	" 16	" "
Rogers	N. S. from pt. 85 ft. E. of E. L. Hazel St. E'y		49.7		7	July 29	July
Rogers	S. S. from E. L. Berkeley Ave. E'y	10.9	101.1		7	" "	" "
Roper	S. S. Morton St. E'y		45.8		5	Sept. 30	Sept.
*Rose Ave.	W. S. W. Forest St. N'y		85.35		6	Nov. 20	Nov.

*Saratoga	N. S. from pt. 382.4-ft. E. of Gorham St. E'ly	42.0	6	Sept. 9	Nov.
**Sargent	N. S. Clare St. to Wannalancit St.	73.1	6	May 29, '17	July
Sargent	N. S. from pt. 60 ft. E. of E. L. of Wannalancit St. E'ly	37.2	6	Sept. 24, '17	"
Sargent	N. S. School St. to Wannalancit St. where not laid	262.0	6	Oct. 23, '17	"
Stevens	E. S. from pt. 53 ft. N. of Forest St N'ly, at No. 658	50.0	6	May 6	May
Stevens	E. S. from pt. 177.3 ft. N. of Chelmsford St. N'ly	81.3	6	Sept. 9	Nov.
**Thayer	N. S. Bellevue St. E'ly	78.6	6	Mar. 25	May
**Vicotti	N. S. Chelmsford St. W'ly	110.9	6	June 3	June
Waverly Ave. ...	E. S. Rogers St. S. W'ly	72.9	6	Nov. 20	Nov.
West Forest	S. S. from pt. 250 ft. W. of Stevens St. W'ly	50.0	6	Aug. 7	Aug.
*West Forest	N. S. Rose Ave. W'ly	65.35	6	Nov. 20	Nov.
Wilder	W. S. from pt. 91.3 ft. S. of Shaw St. S'ly	50.0	6	Aug. 7	July
Wyman	N. S. Nesmith St. E'ly	106.2	11	Mar. 25	May
Total .....	.....	4562.41			
		139.45			
		401.60			

* Uncompleted. Concrete not laid.

** Concrete laid by Abutters.

SIDEWALKS BUILT AS ORDERED BY MUNICIPAL COUNCIL ON ACCOUNT OF PAVING REGULATION, ETC., 1919

Streets	Location	Lin. Ft. Curved Stone	Lin. Ft. Edge.	Sq. Yds. Concrete	Width in Ft.	Lin. Ft. Old Edge. Reset.	Sq. Yds. Granolithic	Order Adopted	Built
Broadway,	Suffolk St. to Wilson's Sliding	54.0	5.8		7	30.5		Paving	1919
Dutton,	E. S. Fletcher St. N'y		40.8		7 to 8	3.3		"	1919
Fletcher,	N. S. Dutton St. E'y to Canal Bridge		94.2					"	"
Pawtucket Sq.,	Riverside St., Varnum Ave. and Bridge Approaches			21.0 151.9	6 & 8	307.3		"	"
South, Middlesex St.	to Appleton St.	9.4	31.0	355.7	7	180.5		"	"
Second Ave.,	Mammoth Rd. to White St.	9.2			7	178.2		Macadam	"
South, Appleton St.	to Summer St.	10.9	28.9		7	35.9		"	"
Andover, At	Burt St.		31.9		7 to 10			Streets	"
Pine, At	Burt St.		49.3		6			"	"
Totals		83.5	362.9	507.6		735.7			108

SIDEWALKS REBUILT AND REPAIRED AN ACCOUNT OF IMPROVEMENTS IN SIDEWALKS BY ABUTERS AND CITY

Lee, S. S. John St. W'y	13.5	7	77.7	50.5	"
Shattuck & Middle, At Lowell Institution for Savings	4.0	7 to 10	213.9	"	"
Williams, N. S. Central St. E'y	8.6	5	65.0	1919	"
Totals	26.1		356.6	50.5	

GRANOLITHIC SIDEWALKS BUILT AS ORDERED, 1919

Street	Location	Sq. Yds.
Lee.	From John St. westerly, in front Cherry & Webb's	50.49

SUMMARY OF SIDEWALK CONSTRUCTION, 1919

Order	Lin. ft. New Straight Stone	Lin. ft. New Curved Stone	Lin. ft. Old Edge- Stone	Sq. Yds. Concrete Laid	Sq. Yds Granolithic Laid
Sidewalks ..	4562.41	139.45		401.6	50.49
Paving	192.80	63.40	521.6	507.6	
Macadam ..	28.90	20.10	214.1		
Streets	154.60	26.10	*356.6	610.6	
Totals	4938.71	249.05	*1092.3	**1519.5	50.49

* Approximate.

** Divided thus:—

Hard Concrete	1182.2
Hard Top Dressing	337.6
	<hr/>
	1519.8

SIDEWALKS BUILT AS ORDERED BY THE MUNICIPAL COUNCIL

1920

Streets	Location	Lin. Ft. Curved Stone	Lin. Ft. Straight Stone	Sq. Yds. Concrete	Width in Ft.	Order Adopted	Built
Aberdeen	E. S. from pt. 107.9 ft. N. of Tenth St. N'ly.		80.3		6	July 27	Aug.
*Albert	S. S. Chelmsford St. to Stevens St.	9.25	478.1		6	Dec. 21	Dec.
Bartlett	S. S. Fayette St. to High St.		121.7		6	Oct. 13	Oct.
Bartlett	N. S. from pt. 106 ft. E. of Fayette St. E'ly		42.8		6	Oct. 9, '19	Aug. '20
Bellevue	W. S. from pt. 153.8 ft. S. of Thayer St. S'ly		46.4	30.6	6	May 11	June
Bowers	S. S. from Salem St. W'ly		86.65		6	June 8	July
Chauncey	E. S. from pt. 62 ft. N. of B St. N'ly		57.5		6	Dec. 23, '19	May '20
Chelmsford	W. S. from Upham St. S'ly	9.5	114.9		7	Nov. 9	Nov.
D	S. S. Stevens St. to Chauncey St.	25.7	185.4		5.5	" "	Oct.
Fairgrove Ave.	B. S. Princeton St. to Shawmut Ave.	43.23	848.66		6	Nov. 4, '19	May, '20
**Fayette	E. S. Bartlett St. to Stackpole St.	8.1	174.6		7	Oct. 9, '19	Aug., '20
Fayette	E. S. Bartlett St. to East Merrimack St.	9.7	230.95		7	Oct. 13	Oct.
Fletcher	B. S. from N. end Thorndike St. to Canal Bridge	7.6	110.55		8 & 11	June 8	May
High	W. S. East Merrimack St. to Bartlett St.	8.0	241.2	125.4	5	July 27	Aug.
*Jewett	W. S. West Sixth St. S'ly		46.0		7	Oct. 5	Oct.
Main	E. S. Canada St. N'ly	9.6	211.16		7	Nov. 23	Nov.
Morey	W. S. Pine St. to Light Ave.	26.50	454.77		6	Nov. 4, '19	May, '20

Rose Ave.	E. S. West Forest St. N'y	85.35	6	Dec. 23, '19	May, '20
Sanders Ave.	E. S. from pt. 160 ft. N. of Pine St. N'y	120.85	6	May 11	May
Sanders Ave.	E. S. from pt. 365 ft. S. of Davenport Ter. E. S'y	65.0	6	June 15	May
Saratoga	N. S. from pt. 382.4 ft. E. of Gordon St. E'y, (Edge laid, 1919)	23.8		Sept. 9, '19	Nov. '20
Stackpole	S. S. from pt. 270 ft. E. of Akker St. E'y	42.95	7	June 22	Aug.
*Stackpole	S. S. Fayette St. E'y	235.7	6	Oct., '19	Aug., '20
*Stevens	E. S. Albert St. S'y	99.86	6	Dec. 28	Dec.
Tweelth	S. S. from pt. 512.2 ft. E. of Bridge St. E'y	54.45	6	May, 11	June
Upham	S. S. Chelmsford St. W'y	93.7	6	Nov. 16	Nov.
West Forest	N. S. Rose Ave. E'y	102.4	6	Dec. 23, '19	May, '20
Westminster	N. S. Selvens St. to Newbury St.	400.0	6	Oct. 9, '19	June, '20
Wilder	E. S. from pt. 281.5 ft. S. of Pine St. S'y	48.8	6	Sept. 14	Sept.
Wilder	E. S. from pt. 231.5 ft. S. of Pine St. S'y	50.0	6	Nov. 2	Sept.
Wilder	E. S. from pt. 331.5 ft. S. of Pine St. S'y	50.0	6	Nov. 9	Oct.
Wilder ..	E. S. from pt. 81.5 ft. S. of Pine St. S'y	100.0	6	" "	Nov.
Woburn	W. S. Easton St. S'y	536.95	7	Dec. 2, '19	June, '20
Total		5617.65			
		215.40			

* Uncompleted; Concrete not laid.

** Gravelthie not laid.

**GRANOLITHIC SIDEWALKS BUILT BY CITY AND ABUTTERS,
EACH PAYING ONE-HALF OF COST**

Streets	Location	Sq. Yds. Granolithic	Builder
Prescott, E. S.	Central St. N'ly	134.24	Matthias Connor
Central, E. S.	at No. 220	36.1	" "
Market, N. S.	in front Father John's Lab.	74.4	Contractor
Middlesex, S. S.	at premises Nos. 70-72	51.6	"
Moody, N. S.	Prince St. W'ly	86.96	William Fuller
Prince, W. S.	Moody St. N'ly	35.98	" "
Colburn, W. S.	Moody St. S'ly	86.4	Matthias Connor
Moody, S. S.	Colburn St. to Tilden St.....	94.6	" "
Tilden, E. S.	Moody St. S'ly	83.3	" "
Stevens, E. S.	D St. S'ly	181.75	Austin Callery
D, S. S.	Stevens St. E'ly	7.71	" "
Middlesex, S. S.	W. L. Perry Court E'ly	81.63	Contractor
Middle, N. S.	Shattuck St. E'ly	61.0	"
Shattuck, E. S.	Middle St. to City Ave.	90.47	"
Shattuck, E. S.	at N. S. City Ave.	0.79	"
Total		1106.93	

SIDEWALKS BUILT AS ORDERED BY MUNICIPAL COUNCIL ON ACCOUNT OF PAVING REGULATION, ETC., 1920

Streets	Location	Lin. Ft. Curved Stone	Lin. Ft. Edge.	Sq. Yds. Concrete	Width in Ft.	Lin. Ft. Old Edge. Reset	Sq. Yds. Granolithic	Sq. Yds. Brick	Order Adopted
Fletcher, Thorndike St. to N. of Liberty St.		52.9	47.1	602.7	7 to 11	355.6			Paving
Lawrence, Watson St. to Wamsit St.		55.2	234.9	1232.4	6	1447.1			"
Lawrence, Approaches to New Concord River Bridge			29.0		7	229.0			
Wilder, Middlesex St. to Broadway		18.85			6	50.1			Macadam
Westford, Tyler Park E. to Tyler Park W.		20.6				412.6			Sidewalks
Thorndike, Davis Sq. to Congress St.		8.5	6.8		6	441.1		264.5	Paving
Dummer, Market St. to Broadway						650.1			Macadam
Totals		156.05	317.8	1835.1		3585.6		264.5	

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SIDEWALKS REBUILT AND REPAIRED ON ACCOUNT OF IMPROVEMENTS IN SIDEWALKS BY ABUTTERS AND CITY, 1920

Streets	Location	Lin. Ft. Curved Stone	Lin. Ft. Edge.	Width in Ft.	Reset Old Edge. Lin. Ft.	Granolithic Sq. Yds.
Lagrange, Suffolk St. W'ly				7	117.1	
Pawtucket, At High Bridge, (Northern Canal)				6	88.5	
Cabot, Moody St. E'ly				7	49.0	
Moody, Prince St. W'ly		20.1		9	73.1	86.96
Prince, Moody St. N'ly		20.1	12.0	7	49.7	36.98
Totals		20.1	12.0		377.4	122.94

SIDEWALK ORDERS ADOPTED 1919-1920

Work not done, or done only in part.

1919

Street	Location	Work
Adams	W. S. from pt. 156 ft. N. of Liberty Sq. N'y, in front No. 62, (Concrete)	Not done.
Eugene	B. S. from Billerica St. to Woburn St. (Edge. & Cinders)	" "
Fayette	E. S. from Bartlett St. to Stackpole St. (Edge. & granolithic)	Edge. laid 1920.
Hudson	N. S. from pt. 123 ft. W. of W. L. Richmond Ave. W'y in front No. 36 (Concrete)	Granolithic not laid. Not done.
Rose Ave.	W. S. West Forest St. N'y, (Edge. & Concrete)	Edge. laid 1919. Concrete not laid.
Stackpole	S. S. Fayette St. E'y. (Edge & Concrete)	Edge, laid 1920. Concrete not laid.
West Forest	N. S. Rose Ave. W'y (Edge. & Concrete)	Edge. laid 1919. Concrete not laid.
Westminster	B. S. Stevens St. to Newbury St. (Edge. & Cinders)	Edge. laid in 1920, on North Side only.
Woburn	B. S. Juniper St. to Crystal St. (Edge. & Cinders)	Edge. laid on W. S. from Easton St. S'y, 535 ft. Approx.

1920

Albert	S. S. Stevens St. to Chelmsford St. (Edge. & Concrete)	.....	Edge, laid.	Concrete not laid.
Jewett	W. S. West Sixth St. S'y. (Edge. & Concrete)	.....	Edge, laid.	Concrete not laid.
Moody	S. S. Gershom Ave. W'y (Concrete)	.....	Not done.	
Morton	E. S. from pt. 56.2 ft. N. of Lawrence St. N'y (Edge. & Clinders)	.....	" "
Stevens	E. S. from pt. 74 ft. S. of Middlesex St. S'y 453 ft. (Concrete)	.....	" "
Stevens	E. S. Albert St. S'y (Edge. & Concrete)	.....	Edge, laid.	Concrete not laid.
West Sixth	S. S. Jewett St. W'y (Concrete)	.....	Not done.	

SUMMARY OF SIDEWALK CONSTRUCTION, 1920

Order	Lin. Ft. New Straight Stone	Lin. Ft. New Curved Stone	Lin. Ft. Old Edge. Stone	Sq. Yds. Concrete Laid	Sq. Yds. Granolithic Laid
Sidewalks	5617.65	232.17	412.6	215.4	
Paving	288.8	116.6	2243.8	1835.1	
Macadam		18.85	700.2		
Streets	41.0	40.7	*606.5	1032.47	1106.93
	<u>5947.45</u>	<u>408.32</u>	<u>4371.42</u>	<u>**3082.97</u>	<u>1106.93</u>

* Approximate.

** Divided Thus:—

Hard Concrete1157.80

Hard Top Dressing1925.17

3082.97

SIDEWALKS ORDERS ADOPTED AND SIDEWALKS BUILT BY ORDER OF MUNICIPAL COUNCIL.

Street	Location	Width		Lin. Ft.	Lin. Ft.	Sq. Yds.	Sq. Yds.	Order Adopted
		Curved Stone	Stone	Stone	Concrete	Grano-lithic		
Albert	S. S. Chelmsford St. to Stevens St. 473.2 ft. Edge. & Concrete	6	1920	1920	105.05			Dec. 21, 1920
Arcadia Ave.	B. S. Princeton St. to Shawmut Ave. 846.8 ft. Edge. & Cin.	6	43.10	851.05				Sept. 13
Cascade Ave.	B. S. Princeton St to Shawmut Ave. 844.9 ft. Edge. & Cin.	6	41.50	850.95				" "
Chauncey	W. S D St. S'ty. 246 ft. Edge. & Cin.	6		246.30				Nov. 9
Crawford	N. S. White St. W'ly. 85 ft. Concrete				72.46			Nov. 9 117
Dracut	S. S. White St. to Fourth Ave. 330 ft. Edge. & Cin.	6	12.76	324.42				June 21
Dracut	N. S. from pt. 125 ft. W. of White St. W'ly 80 ft. Edge. & Cin.	6		80.02				Mar. 8
Dutton	W. S. Merrimack St. S'ty, in front Mongeau Bldg. Granolithic					224.79		July 5
East Merrimack	S. S. in front Buick Garage. Granolithic					Not Built		Oct. 25
Fairmount	W. S. Haines Ave. N'ly. 120.3 ft. Edge. & Cin.	7	10.00	119.34				Nov. 8
			Laid	Laid				Sept. 30
Fayette	E. S. Bartlett St. to Stackpole St. 173 ft. Edge. & Granolithic..	7	1920	1920		142.14		Oct. 9, 1919

Foster	E. S. from pt. 234.5 ft. N. of Princeton St. N'y 100 ft. Edge. & Cin.....	7							July 19
Gorham	E. S. in front Nos. 62-66. Granolithic							Not Built	Oct. 25
Jefferson	W. S. Market St. S'y to Angle, in front Nos. 57-51. Concrete..							Not Built	Nov. 8
Jewett	W. S. W. 6th St. S'y 46 ft. Edge. & Concrete	7		Laid 1920		Laid 1920			
Jewett	W. S. Coburn St. to L St 277.55 ft. Edge. & Concrete	6		Not Laid		Not Laid		37.67	Oct. 5, 1920
Lakeview Ave. ..	E. S. W. 6th St. S'y. 190 ft. Concrete							Not Built	Nov. 29
Mansur	S. S. Wentworth Ave. to Parkview Ave. 100.01 ft. Edge. & Cinders	7		Not Laid		Not Laid		Not Built	Nov. 29
Market	S. S. Jefferson St. W'y, in front Nos. 436-444. Concrete.....							Not Built	Sept. 30
Merrimack	S. S. Dutton St. W'y, in front Mongeau Bldg. Granolithic....								Nov. 8
Merrill Ave.	E. S. from pt. 150 ft. N. of Dundee St. N'y, 150 ft. Edge. & Cinders	6						171.36	Oct. 25
Moody '.....	S. S. Gershom Ave. W'y. Concrete								
						141.94		76.34	Aug. 30
									Nov. 16, 1920

Mt. Grove	Sw. S. 3rd Ave. to 4th Ave. 359.6 ft. Edge. & Concrete.....	7		363.55	263.27	May 31
Mt. Hope	N. S. White St. E'ly, 50 ft. Edge. & Concrete	7	Not Laid	Not Laid	Not Built	Nov. 29
Oliver	E. S. School St. to Wamalakait St. 800.6 ft. Edge. & Cinders..	5	Not Laid	Not Laid		Sept. 30
Parkview Ave. . .	W. S. Mansur St. to Hovey St. 960.49 ft. Edge. & Cinders	7	Not Laid	Not Laid		" "
Pine	S. S. from pt. 101 ft. W. of Oakland St. W'ly, 50 ft. Edge. & Con.	6		50.00	31.78	July 5
Pine	N. S. Sanders Ave. W'ly, 132.5 ft. Edge. & Cinders	6			132.50	" "
Rogers	N. S. from pt. 85 ft. E. of E. L. Hazel St. E'ly. 49.9 ft. Conc.				Not Built	Sept. 13
Rose Ave.	W. S. W. Forest St. N'ly, 84 ft. Edge. & Concrete.....	6	Laid 1919	Laid 1919	51.88	Nov. 20, '19
St. James	N. S. Meadowcroft St. E'ly to Edge. laid 372.1 ft. Edge. & Cin...	6		Not Laid		Nov. 29
Sanders Ave. ...	W. S. Pine St. N'ly 132.2 ft. Edge. & Cinders	6	10.00	132.20		July 5
Stackpole	S. S. Fayette St. E'ly. Edge & Concrete		Laid 1920	Laid 1920		Oct. 9, 1919

Standish	S. S. from pt. 93.7 ft. W. of Colonial Ave. W'ly, 219 ft. Edge. & Cinders	6	219.16	May 10
Standish	S. S. Riverside St. E'ly 273.5 ft. Edge. & Cinders	6	274.84	" 31
Stevens	E. S. from pt. 549.8 ft. S. of Parker St. S'ly 392 ft. Edge. & Cinders	6	389.25	July 5
Stevens	E. S. from pt. 549.6 ft. S. of Parker St. S'ly. Granolithic			Sept. 30
Stevens	E. S. from pt. 74 ft. S. of Middlesex St. S'ly 453 ft. Concrete.	6	274.65	Oct. 5, 1920
Stevens	E. S. Albert St. S'ly 100 ft. Edge & Concrete	6	52.92	Dec. 28, 1920
Third	E. S. Beacon St. to Llewellyn St. 825.1 ft. Edge. & Cinders.	7	Not Laid	Nov. 29
W. Forest	N. S. Rose Ave. W'ly 64 ft. Edge. & Concrete	6	Laid 1919	Nov. 20, 1919
W. Sixth	S. S. Jewett St. W'ly. Concrete		41.14	Octe. 5
White	W. S. Crawford St. N'ly 42.26 ft Edge. & Concrete	7	33.39	May 31
White	E. S. Mt. Hope St. N'ly 130 ft. Edge. & Concrete	7	Not Laid	Nov. 29
			Not Laid	Not Built
Totals		117.36	4317.14	787.65

GRANOLITHIC SIDEWALKS BUILT BY CITY AND ABUTTERS, EACH PAYING ONE-HALF OF COST, 1921

Streets	Location	Sq. Yds. Granolithic	Builder
Bartlett, N. S. Fayette St. E'ly, in front St. John's Hospital.....		205.75	Daniel Walker
Moody, S. S. Suffolk St. westerly		63.02	William Fuller
Rogers, N. S. Hanks St. to Fort Hill Ave.		405.24	Nashoba Construction Co.
Suffolk W. S. Moody St. southerly		73.75	William Fuller
Total		<u>747.76</u>	
See regular sidewalk orders for additional Granolithic.			

SUMMARY OF SIDEWALK CONSTRUCTION, 1921

Order	Lin. Ft. New Straight Stone	Lin. Ft. New Curved Stone	Lin. Ft. Old Edge- Stone	Sq. Yds. Concrete Laid	Sq. Yds, Granolithic Laid
Sidewalks	4317.14	117.36		1083.80	787.65
Paving	163.92	330.05	7132.25	4328.15	
Streets	127.0	12.30	826.35	4552.65	747.78
	<hr/>	<hr/>	<hr/>	<hr/>	<hr/>
Totals	4608.06	459.71	7958.60	*9964.60	1535.43

* Subdivided as follows:—

Hard Concrete4544.64

Hard Top Dressing5419.96

SIDEWALK ORDERS ADOPTED AND SIDEWALKS BUILT BY ORDER OF MUNICIPAL COUNCIL, 1922

Streets	Location	Width	Lin. Ft. Curved Stone	Lin. Ft. Str. Stone	Sq. Yds. Concrete	Sq. Yds. Grano- lithic	Order Adopted
Mansur	S. S. Wentworth Ave. to Parkview Ave.	7	31.60	71.06			Sept. 30, 1921
Market	S. S. in front Nos. 436-444, Tar Concrete					77.15	Nov. 8, 1921
Mt. Hope	N. S. White St. E'ly, 50 ft. Edge, & Concrete	7		51.30	36.75		Nov. 29, 1921
Oliver	B. S. School St. to Wannalanett. Edge, & Cinders	5	27.72	791.35			Sept. 30, 1921
Parkview Ave.	W S. Mansur St. to Hovey St. Edge & Cin.	7	190.75	782.99			Sept. 30, 1921
Rogers	N. S. from pt. 85 ft. E. E. L. Hazel St. E'ly 49.9ft, Tar Concrete, Not Built						Sept. 30, 1921
E. Merrimaek	S. S. in front Buick Garage, Granolithic					63.45	Nov. 8, 1921
Gorham	E. S. in front Nos. 62-66, Granolithic					48.19	Oct. 25, 1921
Jefferson	W. S. in front Nos. 57-71, Tar Concrete				119.47		Nov. 8, 1921
Jewett	W. S. Coburn St. to L. St. Edge & Concrete	7	35.75	267.75	172.63		Nov. 29, 1921
Lakeview Ave.	E. S. W. 6th St. S'ly, Tar Concrete				170.58		Nov. 29, 1921
St. James	N. S. Meadowcroft St. E'ly, 372.1 ft. Edge & Cin.	6	9.10	370.10			Nov. 29, 1921
Third	B. S. Beacon St. to Llewellyn St. Edge, & Cin.	7	47.77	802.45			Nov. 29, 1921
White	E. S. Mt. Hope St. N'ly. 130.0 ft. Edge & Concrete	7	9.30	132.10	98.92		Nov. 29, 1921
Riverside	W. S. Bodwell Ave. to City Line, Edge & Cinders	7	105.40	1217.80			May 4, 1922

Fourth Ave. E. S. Mt. Hope St. to Moody St. Edge. & Cinders					
Fourth Ave. W. S. Mt. Mt. Grove St. to Moody St. where not laid. Edge. & Cinders	8	117.10	1595.80		May 4, 1922
St. James S. S. from pt. E. Meadowcroft St. E'ly at Nos. 31-33. Edge. & Cin.	6		49.25		May 4, 1922
Methuen E. S. from pt. 106.5 ft. N. of Mort Ave. N'ly, 60 ft. at Nos. 159-161. Edge. & Cinders	7		60.60		May 4, 1922
Chelmsford E. S. from pt. 106.5 ft. S. of City Hospital land, S'ly, at No. 836, 65 ft. Edge. & Cinders	7		65.00		May 4, 1922
Hudson N. S. from pt. 123 ft. W. of Richmond Ave. W'ly, 28 ft. Tar Concrete				13.33	May 4, 1922
Riverside W. S. from pt. 92.6 ft. N. of Mt. Hope St. N'ly, 150 ft. In front of premises Nos. 124-130. Edge. & Concrete.....	7		149.65	111.17	June 1, 1922
Gilbride Terrace E. S. Edge. & Cinders. W. S. Edge. & Concrete. Middlesex St. to end	4	18.70	394.10	conc. not laid	June 1, 1922
Chelmsford E. S. from S. L. land City S'ly in front Nos. 824-826, 106.5 ft. Edge. & Cinders	7		106.19		June 1, 1922
Riverby E. S. from pt. 64 ft. S. of Lakeview Ave. S'ly. Edge. & Cinders 56.0 ft.	6		56.00		June 1, 1922
Merrinack N. S. from pt. 76 ft. W'ly of Aiken St. W'ly 60 ft. in front Nos. 757-759 brick walk replaced with granolithic					June 1, 1922
Olive B. S. Gorham St. to E. & M. R. R. Edge. & Cinders	6	not built		46.38	June 15, 1922

Suffolk	W. S. Granolithic Merrimack St. S'ly in front Nos. 424-434.....				June 15, 1922
Sanders Ave. ...	E. S. from pt. 393.7 ft. S. of Pine St. S'ly in front Nos. 118-128 Edge & Cinders 186 ft.	6			19.83
Wedge	N. S. Rhodora St. E'ly. Edge. & Concrete, 83.8 ft.	6	186.00		June 16
Mt. Hope	N. S. from pt 50 ft. E. of White St. E'ly 49.3 ft. Edge. & Cin.	7	74.85	55.15	July 20
Highland Ave. ..	W. S. from pt. 325 ft. N. of Parker St. N'ly, 20.0 ft. Edge. & Cinders	6	49.30		July 20
Bertha	B. S. Walker St. to Waugh St. Edge. & Cinders	5	21.50		July 20
D	N. S. Stevens St. to Chauncy St. Edge. & Cinders	5.5	712.97		July 20
Oakland	E. S. from pt. 108 ft. S. of Pine St. to Parker St. Edge. & Cin.	6	190.20		July 20
Maryland Ave. ..	B. S. Stevens St. to Royalston Ave. Edge. & Cinders	6	488.45		Aug. 17
Wilder	E. S. from pt. 65 ft. S. of Shaw St. S'ly 103.8 ft. Edge. & Concrete	6	941.88		Aug. 17
Temple	E. S. from Liberty St. N'ly 175 ft. Edge. & Cinders	7	Not built		Aug. 17
Chelmsford	W. S. from Liberty St. N'ly 155 ft. Granolithic		67.80	135.28	Aug. 17
Mt. Hope	S. S. from Riverside St. W'ly 392.8 ft. Edge. & Concrete	7	Not built		Aug. 17
Avon	B. S. Fourth Ave. to 7th Ave. Edge & Cinders	6	271.23	Not Complete	Aug. 17
			57.25	1840.70	Aug. 17

Riverby	E. S. Lakeview Ave. S'yly 64 ft. Edge, & Cinders	6	9.60	62.25	Sept. 7
Market & Suffolk S. S. Suffolk St. W'yly 33 ft. W. S. Market St. S'yly 52.7 ft.	Granolithic				
Stevens	E. S. Parker St. S'yly. Edge, & Cinders	6	31.60	535.10	Sept. 7
Jewett	W. S. L. St. N'yly 38.25 ft. Edge, & Concrete	7	7.80	34.53	Oct. 6
Stevens &	W. S. Chatham St. S'yly 58.44 ft. S. S. Stevens St. W'yly 100 ft.	6	8.75	58.38	Oct. 6
Chatham	Edge, & Cinders	6		126.00	Oct. 6
Beacon	E. S. Third St. N'yly 112 ft. Edge, & Cinders	9	15.90	105.12	Oct. 6
Sherman	S. S. Concord St. W'yly. Edge, & Cinders	6	Not built		Oct. 6
Thorndike	E. S. from pt. 123 ft. from Highland St. S'yly 50 ft. Concrete ..			39.60	Oct. 6
Warwick ..	W. S. from pt. 280 ft. N. of N. L. Shaw St. N'yly. 50 ft. Conc.			29.75	Oct. 6
Riverside	E. S. Conduit St. to Emery Ave. Edge, & Cinders	7	Not Built		Oct. 6
Maryland Ave. ...	N. S. in front Nos. 49-68	6		68.00	Oct. 19
Fairmount	E. S. Laurel St. N'yly 50 ft.	7	Not Completed		Nov. 16
Laurel	N. S. Fairmount St. E'yly 129.80 ft.	6	Not Completed		Nov. 16
West Sixth	E. S. West St. to Eunker Hill St. Edge, & Cinders	10	Not Built		Nov. 16
Middlesex ..	S. S. from pt. 80.7 ft. W. of Harvard St. W'yly 81 ft. Edge, & Cin,	7	Not Built		Nov. 16

Moody	N. S. from pt. 245 ft. W. of Fourth Ave. W'ly. 160 ft. Tar Con				118.76	Nov. 16
Riverside	W. S. White St. N'ly. 100 ft. Edge, & Cin.	7	Not Built			Nov. 16
Wellington Ave.	B. S. Rogers St. to Park Ave. E. Edge, & Concrete	6	Not Built			Nov. 16
Belrose Ave.	W. S. Waverly Ave. to Wellington Ave. Edge, & Concrete	6	Not Built			Nov. 16
French	S. S. Bridge St. to Brookings St. where not laid Edge, & Cin.	10	Not Built			Nov. 16 ¹ ₂
Rutland	E. S. Westford St. to Princeton St.	6	Not Built		93.10	Nov. 16 ¹ ₂
Manchester	S. S. No. 66 to Quebec St. Edge, & Cin.	7	Not Built			Nov. 16
Totals				915.18	12,865.23	254.22

GRANOLITHIC SIDEWALKS BUILT BY CITY, 1922

Streets	Location	Sq. Yds. Granolithic	Builder
Thomas Mann Sq., N. S. South St. to Gorham.....		158.03	City
Chelmsford, W. S. at Nos. 103-107		68.60	"
Merrimack St., N. S. at Nos. 797-807		25.83	"
Auditorium, Walks on East Merrimack St.		555.11	"
Anne St. Parkway, Walk on Merr'k St. to French.....		1557.00	"
French, S. S. Kirk St. to Paige St.		117.00	"
Kirk, W. S. Merrimack St. to French St.....		1238.00	"
Gorham, W. S. at St. Peter's Church		58.82	"

LAID BY CONTRACTOR

Central, E. S. at No. 208	37.20	E. Douglas
Middlesex, N. S. Revere St. W'ly	114.69	Spaulding

Total 3930.28

See regular sidewalk orders for additional granolithic.

SUMMARY OF SIDEWALK CONSTRUCTION, 1922

Order	Lin. Ft New Straight Stone	Lin. Ft. New Curv'd Stone	Lin. Ft Old Edge- Stone	Sq. Yds. Concrete Laid		Sq. Yds. Granolithic Laid
				H. Conc.	H. T. D.	
Sidewalks	12,865.23	999.55		1157.89		559.36
Paving	12.00	219.12	9731.70	2713.60	3355.23	
Macadam		150.19	232.30	183.71	88.44	
Streets			837.00	1086.47	3740.24	
Special	595.77	235.14				3625.14
Totals	13,473.00	1604.00	10,801.00	5141.67	7183.91	4184.50

SIDEWALK ORDERS ADOPTED AND SIDEWALKS BUILT BY ORDER OF MUNICIPAL COUNCIL, 1923

Street	Location	Pl. Width	Ldn. Ft. Curete Stone	Ldn. Ft. Str. Stone	Sq. Yds. Concrete	Sq. Yds. Cranno- lithic	Order Adopted
Olive	E. S. Gorham St. to E. & M. R. R. Edge, & Chn.....	6		879.12			June 15, 1922
Gilbrick Terrace	E S Middlesex St to end Edge & Chnders	4	Edgestone	Edl			June 1, 1922
Gilbridge Terrace	W. S. Middlesex St. to end Edge, & Concrete	4	1922	Edgestone	Edl		June 1, 1922
Mt. Hope	S. S. Riverside St. W'ly 392.8 ft. Edge, & Concrete	7	26.32	431.77	75.80	313.59	Aug. 17, 1922
Wilder	E. S. from pt. So. of Shaw St. S'ly 103.8 ft. Edge, & Cone,	6		103.80	34.98		Aug. 17, 1922
Shermida	S. S. Concord St. W'ly. Edge, & Chnders	6		58.45			Oct. 6, 1922
Riverside	E. S. Conduit St. to Emery Ave. Edge, & Chnders	7	50.55	418.26			Oct. 6, 1922
Palmount	E. S. Laurel St. N'ly 50 ft. Edge, & Chnders	7	16.20	46.00			Nov. 16, 1922
Laurel	N. S. Palmount St. E'ly 129.80 ft. Edge, & Chnders	6		125.10			Nov. 16, 1922
W. Sixth	B. S. West St. to Banker Hill St. Edge, & Chnders	10	97.90	752.75			Nov. 16, 1922
Middlesex	S. S. from pt. 80.7 ft. W. of Harvard St. W'ly 81 ft. Edge, & Chn	7		81.00			Nov. 16, 1922
Riverside	W. S. White St. N'ly 100 ft. Edge, & Chnders	7		100.28			Nov. 16, 1922
Wellington Ave.	B. S. Rogers St. to Park Ave. E. Edge, & Concrete	6	89.05	1234.51	763.97		Nov. 16, 1922

Belrose Ave. W. S. Waverly Ave. to Wellington Ave. Edge. & Conc.....	6	20.16	550.76	341.25	Nov. 16, 1922
French S. S. Bridge St. to Brookings St. where not laid. Edge. & Cin...	10	Not Built			Nov. 16, 1922
Manchester S. S. No. 66 to Quebec St. Edge. & Cinders	7	28.69	663.35		Nov. 16, 1922
Orleans N. S. Lupine Rd. to Osgood Ave. Edge. & Cinders	6	Not Built			May 8, 1923
Hillside N. S. from pt. 100 ft. E. of Bellevue St. E'y 50 ft. Edge & Concrete	6		50.00	29.43	May 8, 1923
White W. S. Avon St. N'y 81 ft. Edge. & Concrete	7	Not Built			May 8, 1923
Epping' B. S. Lawrence St. to E. S. Burton St. Edge. & Cinders	5.5	Not Built			May 8, 1923
Crescent B. S. Chelmsford St to Blodgett St. Edge. & Cinders	5.5	Not Built			May 8, 1923
Stevens W. S. from pt. 110 ft. S. of Parker St. S'y 60 ft. Edge. & Cin.	6	Not Built			May 8, 1923
Stevens W. S. Fairfax St. N'y 100 ft. Edge. & Cinders	6	Not Built			May 8, 1923
Staples W. S. from pt. 150 ft. S. of Westford St. S'y 50.23 ft. Edge. & Cinders	6	Not Built			May 8, 1923
Shaw S. S. Chelmsford St. W'y Edge. & Cinders	6	Not Built			May 8, 1923

Shaw	N. S. Hutchinson St. W'y, Edge. & Cinders	6	Not Built	May 8, 1923
Hutchinson	E. S. Chelmsford St. N'y, Edge. & Cinders	6	Not Built	May 8, 1923
Parker	S. S. Highland Ave. E'y Edge. & Cinders	6	114.35	May 8, 1923
Highland Ave. ..	E. S. Parker St. S'y, Edge. & Cinders	6	158.35	May 8, 1923
Bertha	S. S. in front No. 10, Concrete	6	18.00	April 24, 1923
Perry	E. S. from pt. about 501.57 ft. S. of Rogers St. S'y 50 ft. Edge. & Cinders	10	48.20	May 22, 1923
Gertrude Ave. ..	B. S. Westford St. to Princeton, Edge. & Cinders	10	E. S. 32.46	May 8, 1923
Coral	E. S. Branch St. S'y, Edge. & Concrete	6	W. S. Not Built	May 8, 1923
Branch	S. S. Coral St. E'y, Edge. & Concrete	6	47.45	May 8, 1923
Phebe Ave.	B. S. Sarah Ave. N'y (where not laid), Edge. & Cinders	6	47.45	May 8, 1923
Belmont Ave.	E. S. Byrd St. S'y, Edge. & Cinders	7	Not Built	May 22, 1923
Fletcher	W. S. Willie St. S'y, Edge. & Granolithic	7	16.41	May 8, 1923
Willie	E. S. Fletcher St. S'y, Edge. & Granolithic	7	42.25	May 8, 1923
Sayles	B. S. Princeton St. to Middlesex St.	6	11.90	May 8, 1923
			Not Built	May 22, 1923
			64.14	
			39.51	
			198.90	
			73.25	
			99.25	
			583.38	

Georgia Ave. E. S. Pembroke St. N'ly, Edge. & Cinders	6	9.60	88.85	June 5, 1923
Pembroke N. S. Georgia Ave. E'ly, Edge. & Cinders	6		132.00	June 5, 1923
Dartmouth E. S. from pt. 100 ft. S. of Princeton Boulevard S'ly 60 ft. Edge. & Cinders	6		60.00	June 5, 1923
Riverby W. S. Lakeview Ave. S'ly 100 ft. Edge. & Cinders	6	Not Built		June 5, 1923
Methuen S. S. Merrill Ave. E'ly, Edge. & Concrete	7		99.02	June 5, 1923
Merrill Ave. E. S. Methuen St. S'ly, Concrete		Not Built		June 5, 1923
Mt. Hope N. S. Riverside St. S'e'ly 195.6 ft. Edge. & Concrete	6	Not Built		June 5, 1923
Riverside E. S. Mt. Hope St. N'e'ly 45.5 ft. Edge. & Concrete	7	Not Built		June 5, 1923
Third Ave. E. S. from pt. 190 ft. N. of Mammoth Rd. N'ly 50 ft. Concrete..		Not Built		June 5, 1923
Mammoth Rd. .. S. S. from pt. 31 ft. W. of Clinton Ave. W'ly 31.5 ft. Concrete		Not Built		June 5, 1923
Fletcher Cross St. N'ly. Granolithic			39.21	May 22, 1923
Willie Cross St. N'ly. Granolithic			37.85	May 22, 1923
Ellis Ave. B. S. Mammoth Rd. to Waterford St. Edge. & Cinders	7	41.21	1220.30	June 5, 1923
Sanders Ave. .. W. S. Ashland St. N'ly, Edge. & Cinders	6	9.80	99.80	June 5, 1923

Ashland	N. S. Sanders Ave. W'ly, Edge. & Cinders	6	131.90	June 5, 1923
Fletcher	W. S. from pt. 137.8 ft. N. of Butterfield St. N'ly 60.2 ft Granolithic		44.55	June 5, 1923
Chester	W. S. Princeton Boulevard S'ly 95 ft. Concrete		59.06	June 19, 1923
Fairmount	W. S. from pt. 83 ft. S. of S. L. Summit St. S'ly 107 ft. Edge, & Cinders	7	105.15	June 19, 1923
Pine	E. S. at intersection N. L. Westford St. Edge. & Cinders	6	Not Built	June 5, 1923
Westford	N. S. at intersection E. L. Pine St. Edge. & Cinders	7	Not Built	June 5, 1923
Westford	S. S. at intersection E. L. Pine St. Edge. & Cinders	7	Not Built	June 5, 1923
Pine	E. S. at intersection S. S. Westford St. Edge. & Cinders	6	Not Built	June 5, 1923
Chelmsford	E. S. at angle S. of Shaw St. Edge. & Cinders	7	100.00	June 5, 1923
McKinley Ave.	S. S. Rose Ave. W'ly	6	Not Built	June 5, 1923
Westford	S. S. at angle W. of Florence Ave. Edge. & Concrete	7	120.00	July 6, 1923
	E. S. from pt. 100 ft. S. of Mort Ave. S'ly 135.8 ft. Edge. & Cinders		43.30	June 5, 1923
Methuen	Cinders	7	127.70	July 6, 1923

Farmland Rd. .. N. S. Dalton St. E'y 150 ft. Edge. & Cinders	6	Not Built	July 6, 1923
B		Not Built	July 6, 1923
Gershom Ave. .. B. S. Moody St. to Bodwell Ave. Concrete		Not Built	July 6, 1923
Mt. Grove	7	Not Built	July 6, 1923
Davenport .. N. S. Third Ave. to Fourth Ave. Edge. & Concrete	6	Not Built	July 6, 1923
Terrace El. Florence Ave. W'y 89 ft. Edge & Concrete	7	Not Built	July 6, 1923
Riverside	6	100.45	Sept. 4, 1923
Belrose Ave. S. S. from pt. 325 ft. W. of Pawtucket Boulevard W'y 126 ft. Edge. & Cinders	7	Not Built	Sept. 18, 1923
Varnum Ave. S. S. Highland Ave. E'y 165 ft. Edge. & Cinders	6	Not Built	Sept. 18, 1923
Wedge	6	Not Built	Sept. 18, 1923
Highland Ave. .. N. S. from pt. 99 ft. E. of Humphrey St. E'y 63 ft. Edge. & Cinders		58.50	Oct. 2, 1923
Methuen St. W. S. from pt. 69 ft. S. of Moody St. S'y 323.7 ft. Edge. & Cin.	7	Not Built	Oct. 2, 1923

Nesmith	W. S. from pt. 985 ft. S. of Sherman St. S'ly 28 ft. Edge, & Cinders	8			Oct. 23, 1923
Concord	B. S. Rogers St. to Alton St. Edge, & Cinders	6	Not Built	30.00	Oct. 23, 1923
Medhuc	S. S. from pt. 196.2 ft. E. of Mort Ave. E'ly 120 ft. Edge, & Concrete	7		120.00	Nov. 6, 1923
Highland Ave. ..	W. S. from pt. 314 ft. N. of Parker St. N'ly 70 ft. Edge, & Cinders	6	Not Built		Nov. 6, 1923
B	N. S. Chauncey St. W'ly 73 ft. Edge, & Cinders	6	Not Built		Nov. 6, 1923
Stevens	E. S. D St. N'ly 65 ft., Granolithic			49.63	Oct. 9, 1923
D	S. S. Stevens St. to Chauncey St. Granolithic			93.33	Oct. 9, 1923
Lawrence	W. S. from pt. 173 ft. N. of Wamesit St. N'ly 43 ft. Concrete		Not Built		Nov. 6, 1923
Crawford	N. S. Fifth Ave to Sixth Ave. Edge & Concrete	6	Not Built		Nov. 6, 1923
Albion	E. S. from pt. 65 ft. N. of W. Third St. N'ly 70 ft. Edge, & Cinders	6	Not Built		Nov. 6, 1923
Merrill Ave.	E. S. from pt. 100 ft. N. of Dundee St. N'ly 50 ft. Edge, & Cinders	6	Not Built		Dec. 4, 1923
Putnam Rd.	E. S. Andover St. S'ly 833 ft. Edge, & Cinders	10	50.00	432.00	Dec. 18, 1923
Putnam Rd.	E. S. Eastview St. N'ly 75.4 ft. Edge, & Cinders	10	14.90	74.90	Dec. 18, 1923
Total			623.55	9871.40	1679.38
					368.22

GRANOLITHIC SIDEWALKS CONSTRUCTED, 1923

Cost Being Equally Divided Between the City and Abutter

Street	Location	Sq. Yds.	Contractor
Fletcher	W. S. in front premises No. 420	44.55	Fred Mely
Church	N. S. at Colnoal Filling Station	125.65	"
Middlesex	S. S. Pearl St. to Garnet St.		"
Pearl	W. S. Middlesex St. S'yly	161.33	"
Garnet	E. S. Middlesex St. S'yly		"
Lakeview Ave.	S. S. Bridge St. W'yly	195.67	"
Fletcher	W. S. Cross St. N'yly	39.21	"
Willie	E. S. Cross St. N'yly	37.85	"
Stevens	D St. N'yly	49.63	"
D	Stevens St. E'yly	93.33	"
Chauncey	D St. S'yly	131.11	"
Middlesex	N. S. in front Bradley Building	151.48	"
Middle	N. S. Central St. W'yly	65.99	"
Market	N. S. Palmer St. W'yly	33.20	"
Gorham	Butler Ave. N'yly	50.65	"
Methuen	In front premises Nos. 159, 161	36.32	Daniel Walker
Gorham	E. S. at Lajoie Coal Co.'s driveway	17.19	William Drapeau
Varnum Ave.	N. S. in front No. 71	53.89	"
Suffolk	Cor. Fenwick	44.84	Heslin Const. Co.
Fenwick	Cor. Suffolk	39.40	"
Fenwick	At St. Patrick's School	61.70	"
Cross	At St. Patrick's Home	*77.85	"
Cross	At Adams	*70.48	"
Adams	At Cross	*56.20	"
Adams	At Church	*53.40	"

Adams	At Convent	*273.50
Fenwick	At St. Patrick's Church and Old Rectory	*302.40
Total .....	.....	2266.82

* Includes yardage amounting to 144.77 sq. yds. not paid for on account of condemned work.

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SUMMARY OF SIDEWALK CONSTRUCTION, 1923

	Lin. Ft. New Straight Stone	Lin. Ft. New Circle Stone	Lin. Ft. Old Edge. Stone	Sq. Yds. Concrete Laid H. Conc.	Sq. Yds. Granolithic Laid H. T. D.	
Sidewalks ..	9871.40	623.55		1679.38		368.22
Paving		206.85	10,568.35	1459.31	2276.58	
Macadam			1,511.60	365.67	747.95	
Streets			1,000.00	1178.84	6494.18	2079.31
Totals	9871.40	830.40	13,079.95	4683.20	9518.71	2447.53

SIDEWALKS BUILT AS ORDERED BY THE MUNICIPAL COUNCIL

1924

Streets	Location	Width	Lin. Ft. Circle Stone	Lin. Ft. Str. Stone	Sq. Yds. Concrete	Sq. Yds. Grano- lithic	Order Adopted
Albion	E. S. from pt. 65 ft. N. of W. Third St. N'ly.	6		70.00			Nov. 6, 1923
*Belle Ave.	N. S. Stevens St. W'ly.	6		100.00			April 15, 1924
Bellevue	W. S. from pt. 438.8 ft. S. of Thayer St. S'ly	6		81.90			Aug. 5, 1924
Bellevue	W. S. from pt. 393.8 ft. S. of Thayer St. S'ly	6		45.00			July 1, 1924
Belrose Ave.	N. S. from pt. 150 ft. W. of Wellington Ave. W'ly	6		50.00			April 15, 1924
Broadway	S. S. from pt. 420 ft. W. of Dutton St. W'ly	10		140.00			July 1, 1924
Broadway	S. S. from pt. 287.5 ft. W. of Dutton St. W'ly 260 ft.				323.96		June 17, 1924
Butman Isl.	W. S. Glenwood St. S'ly	6		125.45			May 6, 1924
Chauncey	E. S. Shaw St. to D St.	6	25.35	424.45			May 27, 1924
Concord	B. S. Rogers St. to Alton St.	6	23.00	1488.15			Oct. 23, 1923
Crescent	B. S. Chelmsford St. to Blodgett St.		87.62	487.40			May 8, 1923
Central	W. S. from pt. 85.7 ft. S. of Appleton St. S'ly 125 ft. at Nos. 333-349	5.5				139.71	June 17, 1924
Chestnut	N. S. Park St. W'ly 291.55 ft.					286.24	June 17, 1924
Emery	N. S. Crescent St. to Lang St.	6	25.42	905.20			May 27, 1924

Fairmount	.....W. S. from pt. 622.2 ft. S. of Mansur St. S'yly	7	79.15	April 15, 1924
Fairland Rd.	..N. S. from pt. 117.8 ft. E. of Dalton St. E'yly	6	150.00	July 6, 1923
Fairland Rd.	..N. S. from pt. 62.3 ft. E. of Dalton St. E'yly	6	55.00	Sept. 2, 1924
Foster	.....W. S. from pt. 148 ft. N. of Princeton Boul. N'yly	7	74.45	May 27, 1924
Gertrude Ave.	...W. S. Westford St. to Princeton Boul.	10	17.20	May 8, 1923
Glenwood	.....S. S. Butman Rd. W'yly	7	112.60	May 6, 1924
Gershon Ave.	...B. S. Moody St. to Bodwell Ave.		60.44	July 6, 1923
Gorham	.....E. S. Saratoga St. S'yly	7	99.58	Nov. 4, 1924
Hazel	.....W. S. Rogers St. to Wentworth Ave.	6	38.65	May 6, 1924
High	.....Sherman St. S'yly	6	147.80	Aug. 5, 1924
Highland Ave.	..E. S. Wedge St. S'yly	6	223.99	Sept. 18, 1923
Hildreth & Lilley Ave.	...W. S., N. S. edge. and concrete	6	31.00	Dec. 16, 1924
Hildreth	.....E. S. By St. N'yly	6	10.60	Dec. 6, 1924
Lawrence	.....S. S. from pt. 158 ft. E. of Woburn St. E'yly	6	8.90	Sept. 2, 1924
Lawrence	.....S. S. from pt. 222 ft. E. of Woburn St. E'yly	6	44.00	Oct. 7, 1924

Liberty	N. S. Temple St. to Barclay St.	7	28.41	563.15	May 27, 1924
McKinley Ave.	S. S. Rose Ave. W'ly	6	1270	98.05	July 6, 1923
Merrineck	S. S. from pt. 134 ft. W. of Cabot St. W'ly 38 ft. at Nos. 710, 712 & 714				41.94 43.36
Middlesex	N. S. from pt. 68.7 ft. W. of Thorndike St. W'ly 53 ft.				
Mt. Grove	N. S. Third Ave. to Fourth Ave.	7	5.00	312.15	June 17, 1924
Mt. Hope	N. S. Riverside St. E'ly	7		195.60	Aug. 19, 1924
Merrill Ave.	E. S. from pt. 50 ft. N. of Dundee St. N'ly	6		100.33	July 6, 1923
Methuen	N. S. from pt. 110 ft. E. of Beacon St. E'ly	10		116.35	June 5, 1923
Orleans	N. S. Lupine Rd. to Osgood Ave.	6	60.15	533.05	Nov. 6, 1923
Phebe Ave.	B. S. Sarah Ave. to end accepted part	6		475.15	May 27, 1924
Riverside	E. S. Emery Ave. to Alma St.	11	68.80	340.48	May 8, 1923
Riverside	E. S. Mt. Hope St. N'ly	10	15.51	47.15	July 6, 1923
Riverside	W. S. from pt. 69 ft. S. of Moody St. S'ly	7		316.32	June 5, 1923
Riverside	W. S. from pt. 68' N. of Orford St. N'ly	7	22.40	150.40	Oct. 2, 1923 July 1, 1924

Riverby	..... W. S. Lakeview Ave. S'ly	6	9.85	101.10	June 5, 1923
Shaw	..... N. S. Smith St. E'ly	6		168.55	Oct. 7, 1924
Sherman	..... S. S. High St. E'ly	6		121.30	Aug. 5, 1924
Smith	..... W. S. Shaw St. N'ly	6		89.50	April 15, 1924
Stackpole	..... S. S. from pt. 176 ft. E. of Alder St. E'ly	6		50.00	May 27, 1924
Staples	..... W. S. from pt. 150 ft. S. of Westford St. S'ly	6		50.23	May 8, 1923
Stevens	..... W. S. Parker St. to pt. 179 ft. S. of Westminster St.	6	103.78	1061.37	April 15, 1924
Stevens	..... W. S. from pt. 57.6 ft. N. of Westchester St. N'ly	6		79.30	Aug. 19, 1924
Stevens	..... E. S. Avery St. N'ly	6	31.40	242.68	April 15, 1924
Temple	..... W. S. from pt. 38 ft. N. of Liberty St. N'ly	6		234.26	May 27, 1924
Tyler Park	..... N. S. Florence Ave. N'ly	6		89.35	July 6, 1923
Varnum Ave.	... S. S. from pt. 325 ft. W. of Pawtucket Boul. W'ly	7		126.00	Sept. 18, 1923
Wedge	..... S. S. Highland Ave. E'ly	6		163.45	Sept. 18, 1923
Wentworth Ave.	S. S. Hazel St. W'ly	7		89.75	Oct. 21, 1924
West Forest	... N. S. from pt. 64 ft. W. of Rose Ave. W'ly	6	4025	220.25	April 15, 1924
West Sixth	... N. S. from pt. 102.9, ft. W. of Bunker Hill St. W'ly 100.14 ft. at No. 221	6			June 17, 1924
White	..... W. S. Avon St. N'ly	7	12.83	78.60	May 8, 1923
Totals	.....		706.12	12054.39	
				96.08	
				898.30	

* Not completed.

GRANOLITHIC SIDEWALKS CONSTRUCTED, 1924

Cost Being Equally Divided Between City and Abutter

Street	Location	Sq. Yds.	Contractor
Rogers, N. S. in front No. 552.....		35.78	Herman Otto
Rogers, S. S. in front No. 521		38.06	" "
Suffolk, W. S. Cross St. N'ly		175.65	Fred Meloy
Cross St. N. S. Suffolk St. W'ly		78.12	" "
Warren, Central St. E'ly to Alley		71.74	" "
Warren, S. S. Alley to end accepted portion		62.67	" "
Dutton, W. S. Broadway S'ly		545.48	Saco-Lowell
Broadway, S. S. Dutton St. W'ly		193.61	" "
Gorham, W. S. Dix St. N'ly		27.85	Quinn
Total		1228.96	

SUMMARY OF SIDEWALK CONSTRUCTION, 1924

	Lin. Ft. New Straight Stone	Lin. Ft. New Circle Stone	Lin. Ft. Old Edge. Stone	Sq. Yds. Concrete Laid H. Conc.	Sq. Yds. Granolithic Laid H. T. D.
Sidewalks	12054.39	706.12		96.08	898.30
Paving	382.13	588.48	9367.25	1122.55	2511.46
Macadam	.	253.03	2802.00	818.90	2173.23
Streets			1000.00	3099.51	13551.90
Totals	12436.52	1547.63	13169.25	5137.04	18236.59
					2127.26

SIDEWALKS BUILT AS ORDERED BY THE MUNICIPAL COUNCIL 1925

Streets	Location	Width Ft.	Lin. Ft. Circle Stone	Lin. Ft. Str. Stone	Order Adopted
Albert	N. S. from pt. 175 ft. E. of Stevens St. E'ly	6		50.00	Nov. 4, 1924
B	S. S. Stevens St. E'ly at Highland Park	6		521.60	Dec. 15, 1925
Belle Ave.	B. S. Stevens St. W'ly (Balance)	6		550.80	Apr. 15, 1924
Butmah Rd.	W. S. from end curve at Holyrood Ave. N'ly	6		81.20	Oct. 7, 1924
Butmah Rd.	W. S. from pt. 97.4 ft. N. of Holyrood Ave. N'ly at No. 183	6		114.10	July 1, 1924
Butmah Rd.	E. S. Eastview St. S'ly	10		188.12	June 16, 1925
Butmah Rd.	B. S. Andover St. to Hovey St. (where edgestone and rim- mers are not laid)	W. S. 6 E. S. 10	104.98 26.85	764.25 1241.75	Oct. 20, 1925 Sept. 15, 1925
Bunker Hill	B. S. Lakeview Ave. to West Sixth St.	6			
Fletcher	W. S. from pt. 50 ft. S. of Rockdale Ave. S'ly	7		151.75	Sept. 1, 1925
Gorham	W. S. from pt. opp. S. L. Cosgrove St. S'w'ly to entrance Edson Cemetery thence still S'ly	7		507.07	Nov. 4, 1924
Gorham	W. S. from N. L. premises No. 1397 to 1401 S'ly to City Line	7	51.17	1213.26	Oct. 7, 1924
Highland Ave.	W. S. from pt. 414 ft. N. of Parker St. N'ly	6		60.00	Nov. 6, 1923
Highland Ave.	E. S. from pt. 55 ft. N. of Fairfax St. N'ly	6		55.00	Aug. 19, 1924
Hildreth	S. S. from pt. 20.3 ft. W. of Essex St. W'ly at No. 408	6		56.60	Apr. 14, 1923
Hildreth	S. S. from Essex St. W'ly 20 ft.	6		20.30	Dec. 15, 1925
Holyrood Ave.	W. S. curve from W. L. Butman Road to N. L. Hovey St.	6	79.20		Oct. 21, 1924
Hovey	N. S. from end of curve W'ly	6		5.10	Oct. 21, 1924
Hovey	S. S. Holyrood Ave. to Butman Road	6	8.60	69.20	Nov. 3, 1925

Moody	N. S. Sixth Arc. E'y	7	12.75	52.15	Apr. 14, 1925
Parker	N. S. Wilder St. W'y at Highland Park	6		598.10	Dec. 15, 1925
Pine	E. S. Curve at S. S. Westford St.	6 & 7	46.30		June 5, 1923
Pine	E. S. Curve at N. S. Westford St.	7 & 9	60.10		June 5, 1923
Pine	E. S. from end of curve at Westford St. N'y	9		119.40	Dec. 15, 1925
Plymouth	From pt. 123 ft. W. of Colonial Ave. W'y at No. 12	6		49.55	Oct. 7, 1924
Sayles	B. S. Middlesex St. to Princeton Boulevard	8	60.20	2607.75	May 22, 1923
Stevens	E. S. Curve at S. S. Midland St.	6	58.58		Oct. 21, 1924
Stevens	E. S. from Midland St. S'y 126 ft.	6		176.05	June 16, 1925
Stevens	E. S. from a point 208.6 ft. S. of Midland St. S'y 50.76 ft.	6		51.65	June 16, 1925
Stevens	W. S. from a point 58 ft. S. of Chatham St. S'y to a pt. 50 ft. S. of Belle Ave.	6			
Stevens	B. S. from Avery St. to S. L. West Forest St.	6	36.95	254.65	Apr. 15, 1924
Upham	E. S. Stevens St. to end accepted portion	6	104.23	1310.68	Aug. 4, 1925
Varnum Ave.	S. S. Stevens St. to Delaware St.	6	12.20	487.25	Apr. 15, 1924
Wilder	W. S. Parker St. N'y at Highland Park	8	27.97	178.70	Dec. 2, 1924
Winthrop Ave.	S. S. Powell St. to Pliny St.	6	12.45	304.40	Dec. 15, 1925
			14.98	600.22	Apr. 14, 1925
Totals			717.51	12440.65	

GRANOLITHIC SIDEWALKS CONSTRUCTED, 1925

Cost Equally Divided Between the City and Abutter

Street	Location	Sq. Yds.	Contractor
Dutton, W. S. in front premises	Genoa Club		
	K. C. Building	153.94	F. E. Meloy
Market, N. S. in ft. prem. Nos. 149-151.....		41.03	B. F. Wiggin
Hurd, N. S. in ft. Lowell Co-Operative Bank			
	Building	56.50	R. E. Runels C. Co.
Hovey, S. S. Parkview Ave. W'ly		86.35	" "
Parkview Ave., W. S. Hovey St. S'ly		65.80	" "
Lawrence, S. S. in ft. prem. Second Primitive			
	Methodist Church	40.48	" "
Beacon, E. S. Eleventh St. S'ly		55.86	Wm. Drapeau
Eleventh, S. S. Beacon St. E'ly		59.14	" "
Total		559.10	

SUMMARY OF SIDEWALK CONSTRUCTION, 1925

	Lin. Ft. New Straight Stone	Lin. Ft. New Circle Stone	Lin. Ft. Old Edge Stone	Sq. Yds. Concrete Laid H. Conc.	Sq. Yds. Cement Conc. Laid H. T. D.
Sidewalks	12440.65	717.51			
Paving	289.32	785.83	7096.35	3570.24	2412.23
Macadam	172.80	238.30	2760.40	1067.60	3873.62
Streets	159.00			870.65	3353.05
Totals	13061.77	1741.64	9856.75	5508.49	9638.90
					559.10

SIDEWALKS BUILT AS ORDERED BY THE MUNICIPAL COUNCIL

1926

Streets	Location	Width Ft.	Lin. Ft. Circle Stone	Lin. Ft. Str. Stone	Order Adopted
B	N. S. Stevens St. E'yly 100 ft.	6		96.15	July 6, 1926
B	N. S. Chauncey St. W'yly 73 ft. in front No. 217	6	12.55	70.92	Nov. 6, 1923
B	N. S. Harris Ave. E'yly 87.3 ft.	6	12.81	85.17	Nov. 4, 1924
B	N. S. Wilder St. W'yly 112.7 ft.	6		110.75	Nov. 4, 1924
Beacon	W. S. Eleventh St. S'yly 327.6 ft. to Tenth St.	6		296.47	Sept. 7, 1926
Bridge	E. S. Thirteenth St. to Jewett St.	7	50.80	9.20	
Broadway	N. S. Wilder St. E'yly 19 ft.	6	9.70	18.60	Oct. 19, 1926
Broadway	N. S. from pt. 302.8 ft. E. of Wilder St. E'yly 17 ft.	6		17.00	Oct. 19, 1926
*Brown	E. S. Stackpole St. N'yly	6		56.85	
Chauncey	W. S., D St. N'yly 65 ft.	6		64.70	Nov. 16, 1926
Chauncey	W. S., from pt. 205 ft. N. of N. L. D St. N'yly 50 ft.	6		50.00	Nov. 16, 1926
Chauncey	W. S., from Shaw St. S'yly 86.37 ft. in front Nos. 3-5	6		73.00	July 1, 1924
Chelmsford	E. S., from Newell St. N'yly 83.5 ft.	6	5.00	85.75	July 6, 1926
Chelmsford	W. S., from pt. 76 ft. N. of Upham St. N'yly 153.55 ft.	7	10.60	146.07	July 6, 1926
Chelmsford	E. S., from Newell St. S'yly 283.5 ft. & W. S., from pt. 103 ft. S. of Norcross St. S'yly 71 ft.	7	8.45	352.16	July 20, 1926
Chelmsford	W. S., Jenness St. S'yly to Stevens St., & E. S. from pt. 185 ft. N. of Wellman St. S'yly to pt. opp. Stevens St. where not already laid	7	119.90	2132.15	Aug. 3, 1926
Crawford	S. S., from pt. 90 ft. W. of Fifth Ave. W'yly 72.80 ft.	6		80.03	Apr. 14, 1925
Eighth Ave.	W. S., Mammoth Rd. N'yly 89.80	7		78.30	Apr. 21, 1925
Eleventh	W. S., Beacon St. W'yly 82.5 ft.	6	8.80	82.27	Sept. 7, 1926
Fairmount	S. S., from W. L. City of Lowell Fire Dept. N'w'yly 120.6 ft.	10		121.18	Nov. 16, 1926

Fletcher	B. S., Rockdale Ave. to Bowers St.	7	18.24	467.30	May 18, 1926
Foster	E. S., Westford St. N'y 100 ft.	7		95.80	June 15, 1926
Fourth Ave.	E. S., Moody St. N'y 229.97 ft.	8		175.00	Sept. 15, 1925
French	N. S., Brookings St. to John St.	8	28.96	160.75	Aug. 3, 1925
French	S. S., Bridge St. to John St.	10	62.40	218.90	Aug. 3, 1925
Harris Ave.	E. S. B St. N'y 80.7 ft.	6		101.50	Nov. 4, 1924
Hildreth	W. S., Coburn St. to Ennell St. 66272 ft.	6	23.52	659.07	Sept. 7, 1925
*Hildreth	E. S. B. S. Richardson St.	6	18.37		
Hurd	E. S., Central St. to Warren St.	7	25.14	307.60	
John	E. S. where not already laid	7	31.80	95.40	Aug. 3, 1926
*Lakeview Ave.	W. S., at Beaudry St.	7	19.20		
Lenox	E. S., end of present edge, to S. Whipple St.	6	15.90	61.70	Oct. 5, 1926
Mammoth Rd.	N. S., Eighth Ave. W'y 100 ft.	7	9.56	100.90	Apr. 21, 1925
*Market	N. S., Jefferson St. to Hanover St.	10	101.75	25.00	
Merrill Ave.	E. S., Dundee St. N'y 50 ft.	6	9.55	53.87	July 1, 1924
Parker	S. S., Stevens St. E'y 643 ft.	6		629.60	Sept. 1, 1925
Pawtucket	S. S., Ward St. to Bridge over Northern Cabal & from Northern Canal to Moody St.	7	9.98	268.40	Aug. 17, 1926
Pawtucket	B. S., Alken St. to portion accepted in 1850	10	153.00	1161.48	Aug. 3, 1926
Pine	N. S., from pt. 355 ft. W. of Georgia Ave. W'y 62.5 ft.	6		68.50	June 15, 1924
Plymouth	S. S., Riverside St. E'y 350 ft.	6		304.70	Apr. 14, 1925
Riverside	E. S., Plymouth St. S'y 45.5 ft.	10	9.60	45.50	Apr. 14, 1925
Riverside	E. S., from pt. 45.5 ft. S. of Plymouth St. S'y 91 ft.	10		89.35	July 20, 1926
Rogers	N. S., Pleasant St. W'y 92.1 ft.	7		91.45	June 2, 1925

Sanders Ave. ... W. S., Tyler Park to Pembroke St.	6	9.80	214.86	June 2, 1925
Sherman S. S., Pleasant St. W'ly 90 ft.	6		89.73	Nov. 4, 1924
Sherman S. S., Pleasant St. E'ly ..88.7 ft.	6		88.45	Nov. 4, 1924
Stevens B. S., from pt. S. of W. Forest St. S'ly to pt. S. of Upham St.	6	186.08	1578.72	May 18, 1926
Tenth E. S., E. S. Beech St. to Beacon St.	6	93.85	398.50	Sept. 7, 1926
Tyler Park S. S., Sanders Ave. W'ly 82 ft.	6	9.50	81.80	May 4, 1926
Varnum Ave. ... S. S., Avalon St. E'ly 294 ft.	7	12.55	292.92	Nov. 4, 1924
Walker W. S., Bertha St. N'ly 57.6 ft.	6		57.15	Nov. 4, 1924
Wilder E. S., Broadway N'ly 29.8 ft.	6		30.80	Oct. 19, 1926
Wilder W. S., B St. N'ly 50 ft. front No. 617	6	12.62	48.06	Nov. 4, 1926
Woodward Ave. S. S., Mammoth Rd. W'ly to Waterford St. 962.7 ft.	6	12.10	936.24	Sept. 7, 1926
*First S. S., Read St. to pt. E. of Simpson St.	7		871.30	
Totals		1112.08	13897.02	

* No Order.

GRANOLITHIC SIDEWALKS CONSTRUCTED, 1926

The City Paying \$1.15 Per Sq. Yd. The Abutter the Balance

Street	Location	Sq. Yds.	Contractor
Middle, N. S. in front premises	Thomas H. Kelley, Nos. 155-7-61	46.94	Z. A. Houle
Middle, N. S. in front premises	Lowell Institution for Savings	55.00	" "
Middle, * N. S. in front premises	The Club des Citoyens Americans, Nos. 147-51	30.00	" "
Middle, N. S. at City Hall Ave.	City ofg Lowell	6.38	" "
Middle, N. S. cor. Palmer St.,	Arthur Staples Estate	16.30	" "
Middle, S. S. in front premises	Simpson & Rowland Nos. 82-6-8	36.08	" "
Middle, S. S. at Central Fire Station (Paid	by Buildings Dept.)	78.45	" "
Middle, S. S. at Stevens Trust No. 36.....		65.96	
Total		335.11	
* No bill rendered.			

SUMMARY OF SIDEWALK CONSTRUCTION, 1926

	Lin. Ft New Straight Stone	Lin. Ft. New Circle Stone	Lin. Ft Old Edge Stone	Sq. Yds. Concrete Laid H. Conc.	Sq. Yds. Cement Conc. Laid H. T. D.
Sidewalks	4196.53	123.24			
Paving	4292.75	687.35	6449.60	2485.98	2122.05
Macadam	5407.74	301.49	4403.80	989.90	1578.65
Streets				532.02	1621.21
Totals	13897.02	1112.08	10853.40	4007.90	5321.91
					335.11

SIDEWALKS BUILT AS ORDERED BY THE MUNICIPAL COUNCIL, 1927

Streets	Location	Width ft.	Lin. Ft. Circle Stone	Lin. Ft. Str. Stone	Order Adopted
A	N. S., Puffer St. to Wilder St.	6	9.30	529.60	June 7, 1927
Ashland	S. S., Georgia Ave. Ely 132 ft.	6		133.77	May 3, 1927
Branch	S. S., E. S. Dover St.	7	29.73		July 19, 1927
Branch	S. S., W. S. Dover St.	7	10.87		July 19, 1927
Carolyn	E. S., Ebnell St. to Ferry Lane	6	19.70	651.61	Aug. 19, 1924
Carolyn	W. S., Ebnell St. to Ferry Lane	6	9.25	688.60	Aug. 19, 1924
Central	E. S., Green St. to Church St.	14	50.69	98.20	July 29, 1927
Chestnut	N. S., High St. to Ash St.	7	10.46	108.11	June 21, 1927
Cumberland Rd.	E. S., Ebnell St. to Lilley Ave.	6		225.12	Dec. 15, 1925
Cumberland Rd.	W. S., Ebnell St. to Lilley Ave.	6		227.25	Dec. 15, 1925
Fairlawn	N. S., Wilder St. to Greenfield St.	6	14.20	425.65	Dec. 21, 1926
Fairlawn	S. S., Wilder St. to Greenfield St.	6	12.00	432.70	Dec. 21, 1926
Fairlawn	N. S., Greenfield St. easterly 50 ft.	6		72.82	July 5, 1927
Farmland Rd.	N. S., Cumberland Rd. to Essex St.	6	10.08	449.14	Nov. 1, 1924

Fairland Rd. S. S., Cumberland Rd. to Essex St.	6	9.08	438.74	Nov. 4, 1924
French N. S., John St. to Kirk St.	8		419.60	June 7, 1927
Greenfield E. S., Parker St. to Fairlawn St.	6	21.10	369.05	Oct. 5, 1926
Greenfield W. S., Parker St. to Fairlawn St.	6	8.50	379.15	Oct. 5, 1926
Hildreth N. S., Bridge St. to Coburn St. where not already laid	6		168.36	June 7, 1927
Hildreth S. S., Bridge St. to Coburn St., where not already laid	6		471.82	June 7, 1927
Lincoln W. S., Angle St. southerly to River Meadow Brook	7	10.20	249.23	June 7, 1927
Lincoln N. S., Quebec St. to Autumn St.	7		435.56	June 7, 1927
Lincoln N. S., Main St. to Old Colony R. R. Bridge	7		220.07	June 7, 1927
Meadowcroft W. S. from S. S. Salem & Lowell R. R. Bridge to Lundberg St. Bridge	6	10.40	1188.52	Aug. 5, 1927
Fairlawn S. S. from pt. opp. W. L. Greenfield St. easterly 85.60 ft.	6		73.27	July 5, 1927
Meadowcroft E. S., St. James St. to Washer St.	6	41.60	1223.65	Aug. 5, 1927
Parker N. S., Stevens St. to Pine St. where not laid	6	30.10	1372.65	June 7, 1927
Parker S. S., Stevens St. to Pine St., where not laid	6	209.15	1035.56	June 7, 1927

Pine	S. S. from pt. 50 ft. W. of Oakland St. westerly	6	50.10	Aug. 17, 1926
Pine	S. S., from pt. 150 ft. W. of Oakland St. westerly	6	100.20	Aug. 17, 1926
St. James	S. S., from pt. 203 ft. E. of Meadowcroft St. easterly	6	100.10	Oct. 18, 1927
St. James	S. S., Meadowcroft St. easterly	6	202.74	Oct. 18, 1927
Sherman	N. S., Perry St. to Concord St.	6	119.50	June 21, 1927
Sherman	S. S., Perry St. easterly	6	57.23	June 21, 1927
Stevens	E. S., Upham St. to Chelmsford St.	6	340.17	June 7, 1927
Stevens	W. S., Upham St. to Chelmsford St.	6	637.13	June 7, 1927
Tenth	N. S., from pt. 104.2 ft. E. of Methuen St. easterly	6	133.17	Oct. 18, 1927
Wedge	N. S., Parker St. westerly	6	4250	Oct. 18, 1927
Whitnah	S. S., from pt. 200 ft. E. of Fairmount St. easterly	10	82.00	Oct. 18, 1927
Wilder	E. S., A St. northerly	6	50.07	June 21, 1927
Totals .....	.....	1	621.58	
			14007.71	

*Hovey

N. S., Parkview Ave. W'ly. (No order new edge. furnished by
abutter) 6

123.40

*Pond

N. S., Concord St. W'ly. (No order old edge. furnished by
abutter) 6

85.60

SUMMARY OF SIDEWALK CONSTRUCTION, 1927

	Lin. Ft. New Straight Stone	Lin. Ft. New Circle Stone	Lin. Ft. Old Edge Stone	Sq. Yds. Concrete Laid H. Conc.	Sq. Yds. Cement Conc. Laid H. T. D.	
Sidewalks	5085.92	205.66				
Paving	977.30	95.54	5061.24	920.46	999.33	
Macadam	7944.49	320.38	18000.90	3719.77	3772.03	
Streets				890.41	1175.75	
Sewer Const.			1279.30	73.35		
Totals	14007.71	621.58	24341.44	5603.99	5947.11	None

CONSTRUCTION WORK, 1917

GROUTED GRANITE BLOCK PAVEMENT LAID ON CONCRETE FOUNDATION

Streets	Location	Lin. Ft.	Sq. Yds.
Appleton	Gorham St. to Thorndike St.	1810.7	4868.1
Cardinal O'Connell Parkway	Merrimack St. to Market St.	197.0	1650.6
Chelmsford	Thorndike St. to Westford St.		206.0
Crosby	Central St. to Newhall St....	938.5	2686.0
Dutton	W. S. at old Kitson St.....		109.7
Merrimack	At Cardinal O'Connell Parkway		197.0
Market	Central St., to Merrimack Canal Bridge	1289.0	6220.5
Market	At Cardinal O'Connell Parkway	131.7	637.0
Palmer	Market St. northerly	80.5	321.8
Total		4447.4	16896.7
		0.84321 lin. miles.	

STREET WORK, 1918**PAVING**

Streets	Location	Lin. Ft.	Sq. Yds.
Appleton	Completion of 1917 Work....	72.3	1514.0
Central	Church St. to Elm St.	1465.0	6104.0
Thorndike	South side, Appleton St. to Chelmsford St.	62.0	428.0
Marginal	Wilder St. to Foster St.	1798.2	5632.0
Totals		<u>3397.5</u>	<u>13678.0</u>

0.64346 miles

STREET CONSTRUCTION, 1919

PAVING

Streets	Location	Lin. Ft.	Sq. Yds.
South	Middlesex St. to Appleton St.	222.0	867.1
Foster	Marginal St. to Middlesex St.	197.0	694.8
School, Paw't Bridge and Mammoth Road.	Pawtucket St. to P. C. to Riverside St.	1058.0	5605.0
Dutton	East side, Fletcher St. northerly	50.0	186.8
Fletcher	North side, Dutton St. easterly	95.0	197.0
Totals		1622.0	7550.7
		0.30719 miles	
Broadway Junctions ..	Total Length ..	0.06477 miles	342.0 776.3
Grand Totals		0.37196 miles	1964.0 8327.0

STREET CONSTRUCTION, 1920
GROUTED GRANITE BLOCK PAVEMENT

Streets	Location	Lin. Ft.	Sq. Yds.
Dutton	Fletcher St. easterly	75.0	211.47
Fletcher	Canal Bridge to Thorndike St.	54.0	
	Canal Bridge to Liberty Sq..	327.0	2041.17
Lawrence	Watson St. to Wamesit St.	812.0	2809.47
Thorndike	Davis Sq. to Congress St.....	239.2	776.73
Totals		1507.2	5838.84

0.28545 miles

STREET CONSTRUCTION, 1921
GROUTED GRANITE BLOCK PAVEMENT

Streets	Location	Lin. Ft.	Sq. Yds.
Chelmsford	Westford St. to Howard St...	600.0	2380.05
Locke	Gorham St. to South St....	600.0	2380.05
Moody	Spalding St. westerly	386.2	1538.43
Thorndike	Congress St. to Appleton St.	2254.7	10226.55
Thorndike	Middlesex St. to Appleton St.	317.0	1135.89
Totals		<u>3672.90</u>	<u>16610.13</u>

STREET CONSTRUCTION, 1922

GROUTED GRANITE BLOCK PAVEMENT

Streets	Location	Lin. Ft.	Sq. Yds.
Moody	Pawtucket St. easterly	84.4	328.41
Aiken	Moody St. to Ford St.	279.0	1098.86
Lawrence	Concord River Bridge approaches	360.0	1511.62
First	Bridge St. to Read St.	700.0	3189.74
Chelmsford	Howard St. to Westford St. .	495.0	1231.27
Chelmsford	Grand St. to Lincoln Sq.	1535.0	7205.87
Andover	Fayette St. to High St.	320.0	1299.85
Moore	Gorham St. to Bleachery Tracks	351.0	1387.98
Bridge	Central Bridge approaches..		262.92
Auditorium	Driveway and Brown St.		350.51
Merrimack	At Anne St. Parkway	50.0	104.80
French	At New Loop between rails..		229.39
Brookings	At New Loop between rails..		77.73
Mammoth Road	Fourth Avenue to Seventh Avenue between rails		542.41
Lakeview Avenue	Bridge St. to Coburn St.	989.0	4015.39
Westford	At Marlboro St. between rails	150.0	96.04
Totals		5542.4	22932 79

STREET CONSTRUCTION, 1923

GROUTED GRANITE BLOCK PAVEMENT

Streets	Location	Lin. Ft.	Sq. Yds.
Lakeview Avenue	Coburn St. to West St.	985.0	3794.64
John	At Merrimack St.		209.64
Revere	At Middlesex St.		66.71
Moody	Merrimack St. to Tilden St. .	800.0	3354.82
Chelmsford	Lincoln Sq. to Waite St.	1155.0	4378.98
East Merrimack	Willow St. to Nesmith St. ..	240.0	1163.95
First	New State Boulevard junction	160.0	857.10
Fletcher	Cranna-Manning Square to Franklin St.	456.0	3056.16
Mammoth Road	Varnum Ave. to Fourth Ave.	900.0	4232.13
Nesmith	E. Merrimack St. to Rogers between rails	3000.0	1715.31
Andover	Nesmith St. junction		197.26
Totals		7696.0	23026.70

STREET CONSTRUCTION, 1924

GROUTED GRANITE BLOCK PAVEMENT

Streets	Location	Lin. Ft.	Sq. Yds.
Branch	School St. to Coral St.	303.0	784.00
Branch	No. Track	115.7	105.24
Chelmsford	Waite St. to Plain St.	1080.0	4629.35
Fletcher	Franklin St. to Willie St. ...	1178.0	5373.77
Lakeview Avenue ...	West St. to Aiken Ave.	1794.0	7397.04
Lawrence	Wamesit St. to North St. ..	1219.1	3545.32
Warren	Central St. easterly	229.0	623.83
Merrimack and Dutton	At Y. M. C. A.		287.43
Middlesex	At Webster St.		56.33
Lawrence	Billerica St. to Woburn St. between rails	1009.0	522.63

GRANITE BLOCK PAVEMENT

Aiken	At Hall St.		30.13
Gorham	East Track Cosgrove St. s'ly	839.3	409.39
Totals		<u>7767.1</u>	<u>23764.46</u>

STREET CONSTRUCTION, 1924

PAVED GUTTERS

Streets	Location	Lin. Ft.	Sq. Yds.
Mt. Hope	S. S. Riverside St. w'ly	484.0	161.00
Mt. Hope	N. S. White St. e'ly	102.0	34.00
Riverside	E. S. Mt. Hope St. n'ly	56.6	19.00
Riverside	W. S. Mt. Hope St. n'ly	251.0	84.00
Liberty	N. S. Barclay St. to Temple St.	570.0	190.00
Orleans	Lupine Road to Osgood Ave.	657.0	219.00
Methuen	At No. 214-216	39.0	39.00
Temple	Liberty St. to top of hill ...	287.6	96.00
Hazel	W. S. Rogers St. to Went- worth Avenue	420.0	140.00
Wentworth Avenue ..	S. S. Hazel St. to Laurel St.	190.0	63.00
Fairmount	S. S. at Oaklands Fire House	230.0	77.00
Belrose Avenue	S. S. Wellington Avenue to Waverly Avenue	560.0	187.00
Belrose Avenue	N. S. from pt. 50 ft. W. of Wellington Avenue w'ly ..	150.0	50.00
Wellington Avenue ..	Belrose Ave. to Park Ave. E.	240.0	80.00
Butman Road	W. S. Angle S. of Eastview St. to Frothingham St. ..	1200.0	400.00
Riverside	N. S. from pt. W. of Orford St. e'ly	350.0	117.00
Totals		5787.2	1956 00

STREET CONSTRUCTION, 1925

GROUTED GRANITE BLOCK PAVEMENT

Streets	Location	Lin. Ft.	Sq. Yds.
Bridge	Sixth St. to Tenth St.	702.0	3728.23
Bridge	Tenth St. to Thirteenth St.	1132.0	4715.62
Aiken	At Hall St. intersection		529.29
Fletcher	Willie St. to Rockdale Ave.	910.0	3571.29
Lakeview Avenue ...	Aiken Ave. to Farmland Road	955.0	4340.24
Market	Dutton St. to Jefferson St...	735.0	2862.31
Wamesit	Lawrence St. to Central St.	507.1	1592.71
Gorham	Cosgrove St. to City Line between tracks	1900.0	2425.48
Branch	Coral St. between tracks		414.03
Coral	Between tracks		168.85
Chelmsford	Plain St. to Maitland Ave. between tracks	1033.0	509.00
Fayette	Andover St. to E. Merrimack St.	995.0	2951.91
Totals		8869.0	27809.05

SUMMARY GROUTED GRANITE BLOCK PAVEMENT CONSTRUCTION

Type	Lin. Ft.	Sq. Yds.
Grouted Granite Block, laid on 2 in. Sand Cushion, 5 in. Concrete Base.....	4941.0	21339.69
Grouted Granite Block, laid on 2 in. Sand Cushion, on Natural subsoil	3928.0	6469.36
Totals	8869.0	27809.05

STREET CONSTRUCTION, 1926

GROUTED GRANITE BLOCK PAVEMENT

Streets	Location	Lin. Ft.	Sq. Yds.
Bridge	Thirteenth St. to Richardson St.	682.0	2983.85
Fletcher	Rockdale Ave. to Pawtucket St.	1019.0	4145.30
French	Bridge St. to John St.	440.0	2097.64
John	Paige St. to French St.	170.0	945.74
Lakeview Avenue ...	Farmland Rd. to Ottawa St.	1123.4	4437.60
Market	Jefferson St. to Suffolk St. ...	588.0	2859.97
Lawrence	North St. to Church St.	625.0	2324.24
Middle	Central St. to Shattuck St. ...	1007.35	3644.81
Pawtucket	Aiken St. w'ly'	89.10	444.38
Total Grouted Granite Block Pavement with Cement Concrete Base		5743.85	23883.53
Chelmsford	Maitland Ave. to near Stevens St. between tracks....	2439.0	1770.90
Broadway	Walker St. to Wilder St. between tracks	630.0	296.67
Beacon	Tenth St. to Methuen St. between tracks	1085.0	530.44
Tenth	Beech St. to Beacon St. between tracks	304.7	143.06
Total Old Blocks Grouted on Sand Base.....		4458.7	2741.07
Hurd	Central St. to Warren St. (New Block)	502.0	1789.15
Total Grouted Granite Block, all kinds.....		10704.55	28413.75

SUMMARY GROUTED GRANITE BLOCK PAVEMENT CONSTRUCTION

Type	Lin. Ft.	Sq. Yds.
Grouted Granite Block laid on 2 in. Sand Cushion, 5 in. Concrete Base	5743.85	23883.55
Grouted Granite Block laid on 2 in. Sand Cushion, on Natural Subsoil	4458.70	2741.07
Granite Block Grouted with Asphalt on 2 in. Sand Cushion, 5 in. Concrete Base	502.00	1789.15
Total All Kinds	10709.55	28413.75

STREET CONSTRUCTION, 1927

GROUTED GRANITE BLOCK PAVEMENT

Streets	Location	Lin. Ft.	Sq. Yds.
Aiken Avenue	Lakview Ave. to W. Sixth St. between tracks	146.6	219.64
Lakeview Avenue ...	Ottawa St. to City Line.....	519.0	2617.59
Lincoln	Main St. junction and from Gorham St. w'ly	55.3 335.0	1399.73
Walker	Pawtucket St. to Broadway	1410.8	4434.36
Westford	Wilder St. junction	46.8	156.56
Bridge	Richardson St. to Willard St. between tracks	1081.7	1651.13
Varnum Avenue	Mammoth Road to Brookside St. between tracks	1929.3	946.37
Total Granite Block Paving		5524.5	11425.38

WORK IN DETAIL UPON GRANITE BLOCK PAVED STREETS, 1919

CONCRETE PAVEMENT

Broadway on the south side, from Wilson's siding to the east line of Suffolk St. was paved with concrete pavement. Hassam type. The old asphalt was removed and the old base picked off to allow crushed stone to the depth of 4 inches to be put on. This was then flushed with grout. All the side street intersections was paved with old granite blocks grouted. laid on a sand base. The following table gives the work in detail, both for the concrete and block paved junctions.

Street	Location	Kind of Work	Lin. Ft.	Sq. Yds.	Regulation
Broadway	S. S. Wilson's	4 in. crushed	2772.00	4555.4	5.8 lin. ft. edge set
	Siding to E. L. stone,				30.5 lin. ft. edge reset
	Suffolk St. . . .	grouted	0.52	500	4 N. E. T. man-holes reg.
			Miles		12 Sq. gr. C. B's. reg.

REINFORCED CONCRETE PAVEMENT, 1922

Street	Location	Lin. Ft.	Sq. Yds.	Regulation
Manchester	Gorham St. to Quebec St. 20 ft. wide 1:2:4 mix. 7 in. thick.	1430.00	3240.53	None
Westford	N. S. Windsor St. to Pine St S. S. opp. Windsor to West of Foster St. exclusive of St. Ry. Track 1:2:4 mix. 7 in. thick.	2205.00	4791.71	1724.40 lin. ft. edge reset 31.40 lin. ft. new reset circle stone 262.00 lin. ft. flag relaid 314.85 sq. yds. hard concrete 538.87 sq. yds. H. T. D. 1 new C. B. 7 old C. B's. reg. 2 S. M. H's. reg. 2 N.E.T.M.H's.
Totals	.....	3635.00	8032.24	sq. yds.

REINFORCED CONCRETE PAVEMENT, 1923

Street	Location	Lin. Ft.	Sq. Yds.	Regulation
Stevens	Pine St. to Parker St.	1654.00	5760.93	1695.3 lin. ft. old edge relaid 1 new C. B. 4 old C. B's re- built or reg. to grade 131.1 lin. ft. flag laid 131.37 sq. yds. H. Conc. 554.68 lin. ft. H. T. D.
Westford	S. S. from Foster St. to Pine St. (to complete 1922 work)	1702.00	2899.27	800 lin. ft. old edge relaid 13.8 lin. ft. new circle stone laid 1 New Catch B. built 6 C. B's. reg. or rebuilt 4 N. E. T. & T. Co. M. H's. reg. 138.8 lin. ft. flag laid 146.96 sq. yds. H. conc. 311.54 sq. yds. H. T. D.
Rogers	Wentworth Ave. e'ly	640.00	1586.17	2 New C. B's. built
Lawrence	B. & M. R. R. crossing to Billerica St.	1450.00	2426.44	1032 lin. ft. old edge relaid 6 C. B's. reg. or rebuilt 3 S. M. H's. reg. to grade 28.5 lin. ft. flag laid
Totals		5446.00	12672.81	

REINFORCED CONCRETE PAVEMENT, 1924

Street	Location	Lin. Ft.	Sq. Yds.	Regulation
Gorham	E. S. Cosgrove s'ly	841.00	1347.71	1 C. B. reg. to grade 84 lin. feet flag laid
Lawrence	Billerica St. junction	80.00	601.30	1 S. M. H. reg. to grade 23 lin. feet flag laid
Mammoth Road	W. L. E. Meadow Rd. to Dracut Line	504.00	1119.50	
Stevens	E. S. N. L. Parker St. to N. L. Avery St.	1175.00	1792.86	1 New C. B. 3 C. B's. reg to grade 56 lin. feet flag laid
Totals		2600.00	4861.37	

SHEET ASPHALT PAVEMENT, 1924

Street	Location	Lin. Ft.	Sq. Yds.	Regulation
Gorham	L. & A. R. R. Tracks to N. L. Cosgrove St. (laid on old concrete base with exception of tracks to Fay St.)	2568.00	8385.80	
Suffolk	Merrimack St. to Mar- ket St., Market St. to Broadway & Broad- way to Adams St.	1986.50	5992.66	1 C. B. reg. to grade
Totals	.....	4554.5	14378.46	

REENFORCED CONCRETE PAVEMENT WITH REGULATION, Etc. — 1925

Street	Location	Lin. Ft.	Sq. Yds.	Regulation
Stevens	West side from N. L. Parker St. to N. L. Avery St. including all intersections (balance of 1924 Program) exclusive of car tracks.	1325.00	1926.46	139.9 lin. ft. flag. laid 3 New C. B's. built 3 Old C. B's. reg. or rebuilt
Stevens	Both sides, exclusive of car tracks, from N. L. Avery St. to S. L. W. Forest St. including all intersections.	992.00	2796.96	9.0 lin. feet old stone relaid 58.58 lin. ft. new circle stone laid 218.20 lin. ft. flag laid. 3 New C. B's. built 2 Old C. B's. rebuilt 6.1 sq. yds. H. Conc. laid
Pine	South Line Westford St. to S. L. Princeton Boul. including Westford St. intersection and approaches to Princeton Boul.	750.00	2456.06	6.0 lin. feet old stone relaid. 119.4 lin. ft. new str. stone laid. 106.4 lin. ft. new circle stone laid. 59.0 lin. ft. flag laid. 1 New C. B. built. 2 C. B's. rebuilt or reg. 2 S. M. H's. rebuilt or reg. 1 N. E. T. M. H. rebuilt or reg. 1 C. B. discontinued.

Reenforced Concrete Pavement with Regulations, Etc.—1925 (Continued)

Street	Location	Lin. Ft.	Sq. Yds.	Regulation
Gorham	East side from pt. 820 feet S. of Cosgrove St. s'ly to City Line and W. S. of Carlisle St. s'ly to City Line, exclusive of car tracks, includes Suttle St. and Devine Ave. intersections.	1210.00	2841.83	56.0 lin. ft. flag. laid. 2 Old C. B's. reg. or rebuilt to grade. 1 S. M. H. reg. to grade. 62.7 cu. yds. dirt excavated at Devine Ave. to meet grade of Gorham St.
Bridge	East side from S. L. Eighteenth St. to Dracut Line and W. S. from S. L. Ludlam St. to Dracut Line including all intersections exclusive of car tracks.	1650.00	5018.69	170 lin. ft. old edge relaid. 37.50 lin. ft. new circle stone laid. 199.70 lin. ft. flag laid. 5 C. B's. reg. or rebuilt. 2 N. E. T. M. H's. reg. or rebuilt.
Totals		5928.00	15040.00	

REENFORCED CONCRETE PAVEMENT WITH REGULATION, ETC. — 1926

Street	Location	Lin. Ft.	Sq. Yds.	Regulation
Stevens	Both sides, from pt. N. of W. Forest St. to pt. S. of Upham St. including all in- tersections, exclusive of car tracks.	1067.00	3242.90	1578.72 lin. feet new straight stone laid. 186.08 lin. feet new circle stone laid. 1 New C. B. built. 2 Old C. B's. re- built. 252.0 lin. feet flag. laid.
Pawtucket	From pt. 89.1 in. W. of Aiken Street to Moody St. exclusive of Canal Bridge, in- cluding all intersec- tions.	1531.00	5747.48	1324.88 lin. feet new straight stone laid. 643.0 lin. ft. old straight stone relaid 37.0 lin. ft. old circle stone relaid 103.83 lin. feet new circle stone laid. 205.0 lin. ft. flag. laid.
Pine	Plot at junction of Princeton Boul.		54.22	
Totals		2598.00	9044.60	

REINFORCED CONCRETE PAVEMENT WITH REGULATION, ETC. — 1927

Street	Location	Lin. Ft.	Sq. Yds.	Regulation
Bridge	Both sides, from pt. beyond Richardson St. to Eighteenth St. exclusive of car tracks.	829.60	1987.11	872.8 lin. ft. old edge relaid. 19.9 lin. ft. old circle stone relaid. 19.7 lin. ft. new circle stone laid. 52.4 lin. ft. flag. laid. 2 C. B's. rebuilt or reg. 4 S. M. H's. rebuilt or reg.
Stevens	Upham St. to Chelmsford St., including all intersections.	956.20	3186.80	637.13 lin. feet new edge laid. 38.23 lin. ft. new circle stone laid. 1 New C. B. built. 4 S. M. H's rebuilt or reg.
Totals	.....	1785.80	5173.91	

SHEET ASPHALT, 1927

Street	Location	Lin. Ft.	Sq. Yds.	Regulation
*Gorham	E. S. from pt. opposite Manchester St. to Lundberg St.	1346.00	1686.17	12793 lin. ft. old edge relaid. 7 S. M. H's. rebuilt or reg. 3 C. B's. rebuilt or reg.

*Replacement of Sheet Asphalt torn up on account of Sewer Repairs.

PAVING CONSTRUCTION COST SEASON OF 1927

Street	Total Cost	Sq. Yds.	Cost per Sq. Yd
(Reinforced Concrete)			
Bridge Street	\$ 7,569.22	1987.11	\$ 3.80
Stevens Street	10,891.87	3186.80	3.41
(Granite Block—Sand Base)			
Lakeview Avenue	9,545.52	2617.59	3.64
Bridge Street (Tracks)	5,248.63	1651.13	3.18
Varnum Avenue (Tracks) ...	3,445.86	946.37	3.64
Lincoln Street	4,881.70	1040.06	4.69
Westford and Wilder Streets (8 in. New Block)	2,072.99	156.56	13.25
Pine and Westford Streets ..	1,061.95	151.47	7.01
(Granite Block—Concrete Base)			
Church and Central Streets (New Block)	662.64	81.59	8.12
(Old Granite Block—Grouted)			
Walker Street	16,649.26	4434.36	3.75

Average Cost of Permanent Construction

Reinforced Concrete	\$3.60
Granite Block—Sand Base	3.79
Old Granite Block—Grouted....	3.75

AMIESITE PAVING, 1922

Street	Location	Sq. Yds.
Westford	Loring St. to Wilder St.	3135.84
Broadway	N. S. Suffolk St. to Walker St.	9432.00
	S. S. Wilson's Siding to Walker St.	
Central Bridge	Roadway and Tracks	1732.70
	Total	14,300.54

This paving, a form of Asphaltic Concrete was shipped from Hartford, Conn., and delivered to Lowell, f. o. b., at \$9.94 per ton. An expert foreman furnished by the Company, paid by the City, supervised the work. The work consisted of two courses, with coarse aggregate on bottom course rolled, and finished with a course of pea size stone, the voids being filled with sand after rolling.

ASPHALTIC CONCRETE PAVEMENTS, 1922

(TOPEKA TYPE)

Street	Location	Lgth. Lin. Ft.	Sq. Yds.	Regulation
Moody	Moody St. river bridge to Sixth Ave. (2 in. top on old W.B. Mac. Base) Topeka Type with largest aggregate passing $\frac{3}{4}$ in. screen. Excavating by City. Asphaltic Concrete by Simpson Bros. \$10.00 per ton delivered on job. (Price includes mixing and delivery also expert labor of rolling and placing. 1 Roller man, 2 Rakers, 1 Tamper.)	2832.00	9159.75	9.50 lin. ft. edge. 2 New C. B's. 10 C. B's. reg.
Cabot	Bridge Roadway (over planks)		304.00	
Totals		2832.00	9463.75	

SHEET ASPHALT, 1922

Street	Location	Lgth. Lin. Ft.	Sq. Yds.	Regulation
Mammoth Road	4th Ave. to 8th Ave. 2 in. binder course 1½ in. top. Excavation by City. Binder @ \$9.50 per ton, top @ \$10.50 per ton, by Simpson Bros. delivered, with expert labor as for Asphaltic Concrete.	1485.00	5245.11	
Kirk	Merrimack St. to Paige St.	570.00	1883.52	
Paige	Kirk St. to John St.	372.00	1616.86	
Totals		2427.00	8745.49	

ASPHALTIC CONCRETE PAVEMENTS, 1923

(TOPEKA TYPE)

Street	Location	Lgth. Lin. Ft.	Sq. Yds.	Regulation
West Sixth	Coburn St. to Bunker Hill Fire House to Aiken Ave. 2 in. top with coat on old macadam base. Laid by Nashoba Construction Co. on sq. yard basis price \$1.96 Excavation by City. Contractor furnished 1 Roller man, 2 Rakers and Tamper.	1300.00	5495.15	10 C. B's reg. or rebuilt. 6 S. M. H's. reg.
Highland	South St. to Thorndike St. (Nashoba Construction Co.)	810.00	3269.50	3 C. B's. reg. to grade.
Moore	Lawrence Street to Bleachery St. Laid by Simpson Bros. on a tonnage basis price \$9.85 per ton. 2 in. top with seal coat on old macadam. Labor by Simpson Bros. 1 Roller man, 2 Rakers and Tamper.	1950.00	6883.39	1100 lin. ft. old edge relaid. 480 lin. ft. gutter built. 140 lin. ft. flag. laid. 10 C. B's. rebuilt or reg. to grade. 6 S. M. H's. reg. to grade. 365.67 sq. yds. H. Conc. laid. 747.95 sq. yds. H. T. D. laid.

ASPHALTIC CONCRETE PAVEMENTS, 1923 (Topeka Type)

(Continued)

Street	Location	Lgth. Lin. Ft.	Sq. Yds.	Regulation
Nesmith	East Merrimack St. to near Rogers Street. Simpson Bros. Con- tractors.	3125.00	11035.66	21 C. B's. rebuilt or reg. to grade. 2867.80 lin. feet rimmers laid. 361.60 lin. ft. old edge relaid. 97.50 sq. yards paved gutters built. 40 lin. ft. flag. laid. 1 L. E. L. M. H. reg. to grade. 1 N. E. T. & T. Co. M. H. reg. to grade.
Beech	Third St. to Sixth St. Simpson Bros. Con- tractors.	615.00	1877.55	50 lin. ft. edge relaid. 1 C. B. reg. to grade.
Broadway	Repair work and finish coat on "Armiesite".		777.97	
Totals		7800.00	29339.22	

SHEET ASPHALT PAVEMENT, 1923

Street	Location	Lgth. Lin. Ft.	Sq. Yds.	Regulation
Aiken	.....Lakeview Avenue to River Bridge. 2 in. binder course, 1½ in. top laid by Nashoba Construction Co. on old concrete base. Street car rails re- moved. Price \$1.70 sq. yd.	525.00	2180.40	
Totals		525.00	2180.40	

ASPHALTIC CONCRETE PAVEMENT, 1924 (TOPEKA TYPE)

Street	Location	Lgth. Lin. Ft.	Sq. Yds.	Regulation
Broadway	Dutton St. to Suffolk Street includes large Square at Lewis and Dummer St. intersections 2 in. Asphaltic Concrete Material on W. Bound Macadam Base with exception of Square. This was 3 in. Bituminous Macadam Base with 1 in. top of Asphaltic Concrete.	690.00	4076.60	50.05 lin. ft. new circle stone laid. 250 lin. ft. old edge. reg. to grade. 3 C. B's. rebuilt. 40 lin. ft. flag. laid. 7 sq. yds. block paving laid. 371.3 sq. yds. H. Conc. 231.6 sq. yds. H. T. D.
Fourth Ave.	Mammoth Road to Moody Street. 1 in. Asphaltic Concrete Wearing Surface on 3 in. Bituminous Macadam Stone Base.	1839.00	9048.84	150 lin. ft. edge reg. 6 new C. B's. 7 C. B's. reg. or rebuilt 7 S. M. H's. reg. to grade. 276 lin. ft. flag. laid. 90.2 sq. yds. H. Conc. 736.98 sq. yards H. T. D.
Hildreth	S L. Ennell St. to N. L. Aiken Ave. 1 in. Asphaltic Concrete Top on 3 in. Bituminous Macadam Base, exclusive of Car Tracks, includes all intersections.	1464.00	4878.72	65.2 lin. ft. circle stone laid. 2000 lin. ft. old edge. reg. 2 new C. B's. 2 C. B's. reg. 130 lin. ft. flag. H. Conc. 213.1 sq. yds. H. C. 348.0 sq. yds. H. T. D.

ASPHALTIC CONCRETE PAVEMENT, 1924 (Topeka Type)

(Continued)

Street	Location	Lgth. Lin. Ft.	Sq. Yds.	Regulation
Lawrence	.Billerica St. to E. L. Woburn St. does not include Billerica St. Junction. Asphaltic Concrete 2 in. thick on Water Bound Macadam Base.	895.00	2456.28	125 lin. ft. rim- mers laid. 70 lin. ft. flag. laid.
Riverside	..Mammoth Rd. to E. L. Orford St. 1 in. top on 3 in. Bituminous Macadam Base. E. L. Orford St. to Colonial Ave. (in- cluding junction) 2 in. top on Water Bound Macadam Base.	870.00	3736.22	3 S. M. H's reg. 1 C. B. reg.
Walnut	....Gorham St. to Central St. 2 in. top on Water Bound Maca- dam Base.	626.00	2147.30	71.89 lin. ft cir- cle stone laid. 75 lin. feet old edge laid. 7 C. B's. rebuilt. 100 sq. yds. H. Conc. 384 sq. yds. H. T. D.
Watson	...Lawrence St. to Whip- ple St. 2 in. top on Water Bound Maca- dam Base.	290.00	1316.30	2 C. B's. reg. or rebuilt. 50 lin. feet old edge reg.

ASPHALTIC CONCRETE PAVEMENT, 1924 (Topeka Type)

(Continued)

Street	Location	Lgth. Lin. Ft.	Sq. Yds.	Regulation
Whipple ..	Watson St. to Central St. 2 in. top on Water Bound Maca- dam Base.	825.00	2669.70	57.09 lin. ft. new circle stone laid. 150 lin. ft. old edge reg. 6 C. B's. reg. or rebuilt. 1 new C. B. built. 70 lin. ft. flag. laid. 44.3 sq. yds. H. Conc. 171.2 sq. yds. H. T. D.
Plain St. Bridge	Over Hale's Brook ..	42.00	158.70	
Wilder St. Bridge and Approaches	Over B. & M. R. R...	99.6	309.62	127 lin. ft. edge reg. 2 C. B's. reg. to grade.
Aiken st. Bridge	Over Merrimack River	779.30	2643.56	Account of Bridge Repairs.
	Totals	3419.90	33441.84	

ASPHALTIC CONCRETE PAVEMENT WITH REGULATION, ETC. — 1925

(TOPEKA TYPE)

Street	Location	Base	Lgth. Lin. Ft.	Sq. Yds.	Regulation
Hildreth	North Line Aiken Ave. to Draeut Line, exclusive of car tracks, including Essex St. intersection.	3 in. Asphalt Penetration Macadam	1064.00	3254.52	300 lin. ft. old stone relaid. 24.6 lin. ft. flag. laid. 4 C. B's. rebuilt or reg. 30.0 sq. yds. H. Conc. laid. 203.44 sq. yds. H. T. D. laid.
Varnum Avenue	From pt. 50 ft. W. of Dunbar Ave. W'ly to W. L. Old Meadow Rd., exclusive of car tracks, including all intersections.	3 in. Asphalt Penetration Macadam.	1300.00	3914.45	50.8 lin. ft. flag. laid. 139.0 lin. ft. rimmers laid. 4 New C. B's. built. 2 C. B's. reg. or rebuilt. 4 S. M. H's. reg. or rebuilt.
Butman Road	Andover St. to Hovey St. including all intersections.	3 in. Asphalt Penetration Macadam.	2054.00	6830.77	86.31 lin. ft. new straight stone laid 79.2 lin. ft. new circle stone laid. 149.9 lin. ft. flag. laid. 5 New C. B's. built. 4 Old C. B's. rebuilt. 7 S. M. H's. rebuilt or reg. 300 lin. ft. "V" drain laid.

ASPHALTIC CONCRETE PAVEMENT WITH REGULATION, ETC. — 1925 — (Topeka Type)

(Continued)

Street	Location	Base	Length, Lin. Ft.	Sq. Yds.	Regulation
Eastview	Butman Rd. E'ly.....	3 in. Asphalt Penetration Macadam.	200.00	451.29	24 lin. ft. flag, laid. 147.6 sq. yds. paving laid.
Standish	Colonial Ave. to River- side St.	3 in. Asphalt Penetration Macadam.	600.00	1940.83	1 New C. B. built.
Total with Penetration Macadam Base				5218.00	16391.86
Beech	S. L. Sixth St. to N. L. Tenth St.	Old Macadam.	973.00	3526.68	939 lin. ft. old stone laid. 12.6 lin. ft. new circle stone laid. 775 lin. ft. rimmers laid. 9 Old C. B's. reg. or rebuilt to grade. 65.3 lin. ft. flag, laid. 300 sq. yds. H. Conc. laid. 911.97 sq. yds. H. T. D. laid.

ASPHALTIC CONCRETE PAVEMENT WITH REGULATION, ETC. — 1925 — (Topeka Type)

(Continued)

Street	Location	Base	Lgth. Lin. Ft.	Sq. Yds.	Regulation
School	Canal Bridge to S. L. Middlesex St. including intersections.	Old Macadam.	645.00	2547.40	339.1 lin. ft. old stone relaid. 22.5 lin. ft. new circle stone laid. 2 C. B's. rebuilt or reg. to grade. 2 N. E. T. M. H's. reg. 41.8 lin. ft. flag. laid. 200.00 sq. yds. H. Conc. laid. 442.67 sq. yds. H. T. D. laid.
Jefferson	Market St. to Suffolk St. including Lewis St. intersection.	Old Macadam.	418.00	1410.30	358.40 lin. ft. old edge relaid. 9.8 lin. ft. new circle stone laid. 31.7 lin. ft. flag. laid. 4 C. B's. reg. to grade. 1 C. B. discontinued. 4 S. M. H's. reg. to grade. 48.90 sq. yds. H. Conc. laid. 343.50 sq. yds. H. T. D. laid.
Dummer	Market St. to Broadway	Old Macadam.	525.00	1712.50	23.3 lin. ft. flag. laid. 5 C. B's. reg. to grade.

ASPHALTIC CONCRETE PAVEMENT WITH REGULATION, ETC — 1925 — (Topeka Type)

(Continued)

Street	Location	Base	Lgth. Lin. Ft.	Sq. Yds.	Regulation
Andrews	Lawrence St. to Moore St. including all inter-sections.	Old Macadam.	1464.00	4907.15	356 lin. ft. old edge relaid. 4.5 lin. ft. new straight stone laid. 19.4 lin. ft. new circle stone laid. 75.3 lin. ft. flag. laid. 2 New C. B's. laid. 8 C. B's. reg. to grade. 7 S. M. H's. reg. to grade. 80.0 sq. yds. H. Conc. laid. 1035.50 sq. yds. H. T. D. laid.
South	Gorham St. to Highland St.	Old Macadam.	162.00	787.34	27.8 old stone relaid. 1 C. B. reg. to grade.
Coral	Branch St. to Westford St. including all inter-sections, exclusive of car tracks.	Old Macadam.	720.00	2489.89	200 lin. ft. old stone relaid. 82 lin. ft. new circle stone laid. 94.8 lin. ft. circle stone laid. 37.9 lin. ft. flag. laid. 2 C. B's. reg. to grade. 250 sq. yds. H. Conc. laid. 561.38 sq. yds. H. T. D. laid.

ASPHALTIC CONCRETE PAVEMENT WITH REGULATION, ETC. — 1925 — (Topeka Type)

(Continued)

Street	Location	Base	Lgth. Lin. Ft.	Sq. Yds.	Regulation
Chelmsford	S. L. Plain St. to S. L. Maitland Ave. exclusive of car tracks.	Old Macadam.	1020.00	3570.51	325 lin. ft. old stone relaid. 19.2 lin. ft. old circle stone laid. 92.3 lin. ft. flag. laid. 2 New C. B's. built. 3 C. B's. reg. to grade. 2 N. E. T. M. H's. reg. to grade. 4.6 sq. yds. H. Conc. laid. 10.0 sq. yds. Cement Conc. swk
Essex	W. L. Hildreth St. to E. L. Aiken Ave. including Leeds St., Farmland Rd. Aiken Ave. and Fisher Sts. intersections.	Old Macadam.	740.00	2812.86	254.3 lin. ft. old stone relaid. 62.6 lin. ft. flag. laid. 3 C. B's. reg. to grade. 5 S. M. H's. reg. to grade.
Total Asphaltic Concrete with Old Macadam Base			6667.00	23764.63	
Total All Asphaltic Concrete			11885.00	40156.49	

ASPHALTIC CONCRETE PAVEMENT WITH REGULATION, ETC. — 1926 (TOPEKA TYPE)

Street	Location	Base	Length, Lin. Ft.	Sq. Yds.	Regulation
Hildreth	Coburn St. to Ennell St. including all intersections.	3 in. Asphalt Penetration Macadam.	890.00	2832.30	544.6 lin. ft. old edge. relaid. 1.3 lin. ft. new edge laid. 18.37 lin. ft. new circle stone laid. 137.90 lin. ft. flag. laid. 6 S. M. H's. rebuilt or reg. 4 C. B's. rebuilt or reg. 30.20 sq. yds. H. Conc. laid. 76.74 sq. yds. H. T. D. laid.
Fairmount	Rogers St. to near Lily's Driveway including Haines Ave. intersections.	3 in. Asphalt Penetration Macadam.	1370.00	5086.68	120 lin. ft. old edge relaid. 10 lin. ft. old circle stone relaid. 121.18 lin. ft. new edge laid. 4 S. M. M's. rebuilt or reg.
Lawrence	Woburn St. to Burton St. including Burton St. intersection, exclusive of car tracks.	3 in. Asphalt Penetration Macadam.	725.00	2215.50	51 lin. ft. flag. laid. 4 S. M. H's. rebuilt or reg.
George	Church St. to Tyler St. including Tyler St. intersections.	3 in. Asphalt Penetration Macadam.	197.00	770.10	360.9 lin. ft. old edge relaid. 4.8 lin. ft. new edge laid. 19.3 lin. ft. new circle stone laid. 294.62 sq. yds. H. Conc. laid. 2.78 sq. yds. H. T. D. laid.

ASPHALTIC CONCRETE PAVEMENT WITH REGULATION, ETC. — 1926 — (Topeka Type)

(Continued)

Street	Location	Base	Lgth. Lin. Ft.	Sq. Yds.	Regulation
Middlesex	Maude St. to Dover St. including Walker St. intersection.	3 in. Asphalt Penetration Macadam.	1185.00	4743.90	635 lin. ft. old edge relaid. 5 S. M. H's rebuilt or reg. 429.42 sq. yds. H. Conc. laid. 957.67 sq. yds. H. T. D. laid.
Woodward Ave.	Mammoth Road to Starbird St. including all intersections.	3 in. Asphalt Penetration Macadam.	1074.00	3551.20	936.24 lin. ft. new edge laid. 12.1 lin. ft. new circle stone laid. 5 S. M. H's. rebuilt or reg. 101 lin. ft. flag. laid.
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Total with Penetration Macadam Base			5441.00	19199.68	
Tenth	Beech St. to Beacon St. including Beacon St. intersection, exclusive of car tracks.	Old Macadam.	304.70	328.90	103.85 lin. ft. new circle stone laid. 36 lin. ft. flag. laid. 398.50 lin. ft. new edge laid. 2 S. M. H's rebuilt or reg.
Beacon	Tenth St. to Methuen St. including all intersections, exclusive of car tracks.	Old Macadam.	1085.00	3789.80	1516 lin. ft. old edge relaid. 29.90 lin. ft. old circle stone relaid. 296.47 lin. ft. new edge laid. 64 lin. ft. flag. laid. 2 Track B's. rebuilt or reg. 3 S. M. H's. rebuilt or reg. 177.04 sq. yds. H. Conc. laid. 315.14 sq. yds. H. T. D. laid.

ASPHALTIC CONCRETE PAVEMENT WITH REGULATION, ETC. — 1926 — (Topeka Type)

(Continued)

Street	Location	Base	Length, Lin. Ft.	Sq. Yds.	Regulation
Chelmsford	.....Maitland Ave. to pt. near Stevens St. including all intersections, exclusive of car tracks.	Old Macadam.	2439.00	7419.75	275 lin. ft. old edge relaid. 29.5 lin. ft. old circle stone relaid. 2716.13 lin. ft. new edge, laid. 138.95 lin. ft. new circle stone laid. 325.7 lin. ft. flag, laid. 10 S. M. H's, rebuilt or reg. 5 C. B's, rebuilt or reg. 2 N. E. T. & T. M. H's, rebuilt or reg. 1 Track B, rebuilt or reg. 27.60 sq. yds. H. Conc. laid. 91.11 sq. yds. H. T. D. laid.
Broadway	.....Walker St. to W. L. Wilder St. including all intersections, exclusive of car tracks.	Old Macadam.	630.00	2011.86	135.4 lin. ft. old edge relaid. 37.8 lin. ft. new edge laid. 9.7 lin. ft. new circle stone laid. 64 lin. ft. flag, laid. 10.1 sq. yds. H. Conc. laid. 123.86 sq. yds. H. T. D. laid.

ASPHALTIC CONCRETE PAVEMENT WITH REGULATION, ETC. — 1926 — (Topeka Type)

(Continued)

Street	Location	Base	Lgth. Lin. Ft.	Sq. Yds.	Regulation
Brown	E. Merrimack St. to Concord River including Stackpole St. intersection.	Old Macadam.	404.00	2157.91	740.5 lin. ft. old edge relaid. 7 lin. ft. old circle stone relaid. 56.85 lin. ft. new edge laid. 14.80 lin. ft. new circle stone laid. 2 C. B.'s. rebuilt or reg. 1 C. B. discontinued. 5.55 sq. yds. H. Conc. laid.
Total with Old Macadam Base			4862.70	15708.22	
Beaver Brook Bridge	Over Beaver Brook	Old Planks	160.50	362.02	
Market St. Bridge	Over Western Canal	Old Concrete	43.70	209.62	
Total All Asphaltic Concrete			10507.90	35479.54	

ASPHALTIC CONCRETE PAVEMENT WITH REGULATION, ETC. — 1927 (TOPEKA TYPE)

Street	Location	Base	Lgth. Lin. Ft.	Sq. Yds.	Regulation
A	Chelmsford St. to Wilder St. including all inter-sections.	3 in. Asphalt Penetration Macadam.	1999.20	6329.90	2443.2 lin. ft. old edge relaid. 42.9 lin. ft. old circle stone relaid. 529.6 lin. ft. new edge laid. 24.4 lin. ft. new circle stone laid. 84 lin. ft. flag. laid. 6 C. B's. rebuilt or reg. 6 S. M. H's. rebuilt or reg.
Fifth Avenue	Moody St. to Mt. Grove St. including all inter-sections.	3 in. Asphalt Penetration Macadam.	1341.00	5569.76	2126 lin. ft. old edge relaid. 103.6 lin. ft. old circle stone relaid. 3.4 lin. ft. new edge laid. 275.3 lin. ft. flag. laid. 11 C. B's. rebuilt or reg. 5 S. M. H's. rebuilt or reg.
French	John St. to Kirk St.....	3 in. Asphalt Penetration Macadam.	372.24	1960.34	360 lin. ft. old edge relaid. 419.6 lin. ft. new edge laid. 28.3 lin. ft. new circle stone laid. 29.8 lin. ft. flag. laid. 2 S. M. H's rebuilt or reg.

ASPHALTIC CONCRETE PAVEMENT WITH REGULATION, ETC. — 1927 — (Topeka Type)

(Continued)

Street	Location	Base	Lgth. Lin. Ft.	Sq. Yds.	Regulation
Lawrence	Burton St. to Bruce St.	3 in. Asphalt Penetration Macadam.	602.00	1827.08	
Lincoln	Hale St. to Main St. and Main St. to R. R. Bridge and from pt. beyond R. R. Bridge to pt. 335 ft. W. of Gor- ham St. including all intersections.	3 in. Asphalt Penetration Macadam.	3803.00	12325.70	6170.8 lin. ft. old edge relaid. 57.4 lin. ft. old circle stone relaid. 30.7 lin. ft. new circle stone laid. 904.86 lin. ft. new edge laid. 243 lin. ft. flag. laid. 15 S. M. H's rebuilt or reg. 16 C. B's. rebuilt or reg.
Meadowcroft	N. L. St. James St. to Lundberg St. includ- ing all intersections.	3 in. Asphalt Penetration Macadam.	1360.00	3940.19	2412.17 lin. ft. new edge laid. 52 lin. ft. new circle stone laid. 30 lin. ft. flag. laid. 5 S. M. H's. rebuilt or reg. 5 C. B's. rebuilt or reg. 1 New C. B. built.

ASPHALTIC CONCRETE PAVEMENT WITH REGULATION, ETC. — 1927 — (Topeka Type)

(Continued)

Street	Location	Base	Lgth. Lin. Ft.	Sq. Yds.	Regulation
Parker	Stevens St. to Pine St. including all intersec- tions.	3 in. Asphalt Penetration Macadam.	1944.20	6991.10	2408.21 lin. ft. new edge laid. 239.25 lin. ft. new circle stone laid. 133.60 lin. ft. old edge relaid. 168.40 lin. ft. flag. laid. 6 C. B's. rebuilt or reg. 10 S. M. H's. rebuilt or reg.
Worthen	Market St. to Broadway	3 in. Asphalt Penetration Macadam.	526.00	1431.61	1016.6 lin. ft. old edge relaid. 13.4 lin. ft. old circle stone relaid. 4.2 lin. ft. new circle stone laid. 13 lin. ft. flag. laid. 4 C. B's. rebuilt or reg.
Total with Penetration Macadam Base			11947.64	40375.68	
Aiken Avenue ..	W. Sixth to Essex St. including all intersec- sections.	Old Macadam.	1402.00	5899.30	842.6 lin. ft. old edge relaid. 7.1 lin. ft. new edge laid. 11.1 lin. ft. new circle stone laid. 67.5 lin. ft. old circle stone relaid. 236.2 lin. ft. flag. laid. 5 S. M. H's. rebuilt or reg. 7 C. B's. rebuilt or reg.

ASPHALTIC CONCRETE PAVEMENT WITH REGULATION, ETC. — 1927 — (Topeka Type)

(Continued)

Street	Location	Base	Lgth. Lin. Ft.	Sq. Yds.	Regulation
Chelmsford	Stevens St. to City Line	Old Macadam.	1548.00	3420.20	
Hildreth	Coburn St. to Bridge St. including all intersec- tions.	Old Macadam.	960.00	3024.36	640.18 lin. ft. new edge relaid. 967.40 lin. ft. old edge relaid. 41 lin. ft. new circle stone laid. 21.70 lin. ft. old circle stone relaid. 4 C. B's. rebuilt or reg.
Kirk	French St. to Paige St.	Old Macadam.	170.00	584.27	123.7 lin. ft. old edge relaid. 2 C. B's. rebuilt or reg.
Meadowcroft	Moore St. to N. L. St. James St.	Old Macadam.	345.00	1073.30	191.3 lin. ft. old edge relaid. 2 S. M. H's. rebuilt or reg. 2 C. B's. rebuilt or reg.
Mt. Vernon	Broadway to Varney St. including all intersec- tions.	Old Macadam.	685.00	2866.60	723.7 lin. ft. old edge relaid. 1 S. M. H. rebuilt or reg. 6 C. B's. rebuilt or reg.

ASPHALTIC CONCRETE PAVEMENT WITH REGULATION, ETC. — 1927 — (Topeka Type)

(Continued)

Street	Location	Base	Lgth. Lin. Ft.	Sq. Yds.	Regulation
Pine	Stevens St. to Park St. including all intersections.	Old Macadam.	1230.00	4012.91	570.4 lin. ft. old edge relaid. 4 N. E. T. & T. M. H's. rebuilt or reg. 4 S. M. H's. rebuilt or reg. 5 C. B's. rebuilt or reg.
Sherman	Perry St. to High St. including all intersections.	Old Macadam.	588.00	1777.10	176.73 lin. ft. new edge laid. 3 S. M. H's. rebuilt or reg.
Summer	Gorham St. to South St.	Old Macadam.	495.00	2000.00	532.1 lin. ft. old edge relaid. 6 C. B's. rebuilt or reg. 6 lin. ft. old circle stone relaid. 2 S. M. H's. rebuilt or reg.
Varnum Avenue	Mammoth Rd. to Brookside St. including all intersections.	Old Macadam.	1920.00	5903.68	1455.6 lin. ft. old edge relaid. 31.4 lin. ft. old circle stone relaid. 3 lin. ft. new edge laid. 5 S. M. H's. rebuilt or reg. 7 C. B's. rebuilt or reg. 1 N. E. T. & T. M. H. rebuilt or reg. 56 lin. ft. flag. laid.
Total with Old Macadam Base			9343.00	30561.72	

ASPHALTIC CONCRETE PAVEMENT WITH REGULATION, ETC. — 1927 — (Topeka Type)

(Continued)

Street	Location	Base	Lgth. Lin. Ft.	Sq. Yds.	Regulation
Aiken	Merrimack St. to Moody St.	Old Brick Pavement.	185.00	750.40	7.6 lin. ft. new edge laid.
Newhall st. bridge	Over Hale's Brook	New Planks	33.50	85.60	
Total All Asphaltic Concrete				21509.14	71773.40

GRECO PAVEMENT, VULCANIZED SURFACE—1927

Central	E. S. Charles St. to pt. near Gorham St. including all intersections.	Old Cement	1974.25	10048.66	
Charles	Gorham St. to Central St. and Central St. to Lawrence St.	Old Cement	1123.50	4358.17	
Total				3097.75	14406.83

ASPHALTIC CONCRETE CONSTRUCTION COST SEASON OF 1927

Street	Total Cost	Sq. Yds.	Cost per Sq. Yd.
Aiken Avenue	\$17,459.30	5899.3	\$2.95
Chelmsford Street	8,421.50	3420.2	2.46
French and Kirk Streets	8,391.83	2544.6	3.29
Hildreth Street	8,963.66	3024.4	2.96
Meadowcroft Street	19,129.65	5013.4	3.81
Pine Street	11,821.86	4012.9	2.94
Varnum Avenue	16,536.51	5903.7	2.80
Fifth Avenue	16,218.86	5569.8	2.91
A Street	19,818.46	6329.9	3.13
Lincoln Street	45,193.71	12685.3	3.56
Lawrence Street	7,291.77	1827.0	3.44
Mt. Vernon Street	10,008.33	2866.6	3.49
Worthen Street	6,801.83	1431.6	4.75
Aiken Street	1,456.77	750.4	1.94
Sherman Street	5,623.25	1771.1	3.17
Summer Street	6,274.70	2000.0	3.13
Parker Street	27,095.66	6991.1	3.87

GRECO PAVEMENT

Charles Street	8,922.88	4358.1	2.04
Central Street	18,790.64	10048.6	1.86

CONSTRUCTION WORK, 1917

STREETS MACADAMIZED

Street	Location	Lin. Ft.	Sq. Yds.	Kind	Depth.
Ash	E. Mer'k St. to Chestnut St.	378.0	1176.0	Plain T. D.	3 in.
Central	Gorham St. to N. of Abbott St.	1616.6	6560.3	Tar Macadam	4 in.
Chelmsford	Plain St. to Midland St.	812.0	2030.0	Tar Macadam	4 in.
Colonial Avenue	Moody St. to Riverside St.	1088.5	4233.0	Tar Macadam	3 in.
Eleventh	Methuen St. to Beacon St.	753.0	1798.8	Plain Macadam	6 in.
Eleventh	Merrill Ave. to Aberdeen St.	260.0	808.9	Plain Macadam	6 in.
Gates	Marshall St. to Westford St.	188.4	471.0	Plain T. D.	3 in.
Gates	Westford St. to Sheldon St.	836.3	1951.4	Plain T. D.	3 in.
Griffin	Andrews St. to Agawam St.	233.0	383.6	Tar Macadm	5 in.
Locke	Gorham St. to South St.	67.5	165.0	Plain T. D.	3 in.
Marlborough	Westford St. to Pine St.	1027.0	2460.0	Tar Macadam	4 in.
Nesmith	E. Mer'k St. southerly	725.0	2837.7	Plain T. D.	3 in.
Perry	Rogers St. northerly	832.0	2514.4	Plain T. D.	3 in.
Putnam Avenue	Mid'x St. to Troy St.	591.0	1464.2	Tar Macadm	5 in.
Sherman	Perry St. to Concord St.	180.0	60.6	Plain T. D.	3 in.
Sherman	Concord St. to Pleasant St.	120.0	370.0	Plain T. D.	3 in.
Sherman	Pleasant St. to High St.	208.0	650.0	Plain T. D.	3 in.
Sidney	Moore St. southerly	591.0	1705.3	Tar Macadm	5 in.
South	Junc. Highland and Locke Streets	58.0	303.0	Tar Macadam	4 in.

CONSTRUCTION WORK, 1917—(Streets Macadamized) Continued

Street	Location	Lin. Ft.	Sq. Yds.	Kind	Depth
South	Highland St. to N. S. Union St.....	621.2	2001.6	Plain T. D.	3 in.
Thorndike	Chelmsford St. to Davis Sq.	2518.5	8191.3	Plain T. D.	3 in.
Troy	Stevens St. to Harvard St.	436.0	1246.8	Tar Macadm	5 in.
Varnum Avenue ..	200 ft.W of Mammoth Rd. to Brookside st	1800.00	6071.0	Tar Macadam	4 in.
Wentworth Ave..	Andover St. to S. of Mansur St.....	80.5	222.2	Plain T. D.	3 in.
Wentworth Ave..	Andover St. to S. of Mansur St.....	956.8	3125.2	Tar Macadam	4 in.
West Sixth	Ennell St. to West St.	1134.2	4105.1	Tar Macadm	5 in.
		18112.5	57405.8		
		3.4304 lin. miles			

Divided as follows:

KIND	Lin. Ft.	Sq. Yds.
Bituminous Macadam	10344.1	33687.5
Plain Macadam	1013.0	2607.7
Top Dressing Macadam	6755.4	21110.6
Total	18112.5	57405.8

MACADAM, 1918

Street	Location	Lin. Ft.	Sq. Yds.	Kind	Depth
Andover	Fayette St. to High St.	303.0	882.0	Plain T. D.	5 in.
Andover	High St. to Willow St.	404.0	2046.0	Tar Macadam	3 in.
Andover	Willow St. to Nesmith St.	198.0	682.0	Plain T. D.	3 in.
Andover and Nesmith	At Christian Science Church		238.0	Tar Macadam	4 in.
Central	At Hosford Square	320.0	1240.0	Tar Macadam	4 in.
Riverside	Colonial Ave. to Mammoth Rd.	870.0	2847.0	Plain T. D.	4 in.
Varnum Avenue	Mammoth Road westerly	143.0	477.0	Plain T. D.	4 in.
Total		2238.0	8412.0		
			0.42386	Miles	

Divided as follows:

KIND	Lin. Ft.	Sq. Yds.	Miles
Bituminous Macadam	724.	3524.	0.13712
Top Dressing Macadam	1514.	4888.	0.28574
Total	2238.	8412.	0.42386

MACADAM, 1919

Street	Location	Lin. Ft.	Sq. Yds.	Kind
Andover	.....At Wentworth Avenue		293.2	Tar Macadam
Cross	.....From Fletcher St. to opposite No. 188	750.0	1833.3	Plain T. D.
Liberty	.....From Osgood St. to Pine St.	1056.0	2755.8	Plain T. D.
Moody	.....From the Bridge to N. S. No. 881	2225.0	5768.9	Plain T. D.
Mt. Vernon	.....From Varney St. to about 50 ft. S. of Cross St.	530.0	1472.2	Plain T. D.
Pine	.....From Stevens St. to Westford St.	1722.0	5312.2	Plain T. D.
Rock	.....From Fletcher St. to Willie St.	890.0	2175.5	Plain T. D.
Second Avenue	.....From Mammoth Road to White St.	696.0	2715.7	Tar Macadam
South	.....From Appleton St. to Summer St.	287.8	1087.2	Tar Macadam
Wannalancit	.....From Clare St. to Pawtucket St.	1080.0	2880.0	Plain T. D.
West Sixth	.....From West St. to Coburn St.	470.0	1485.1	Tar Macadam
Totals		9706.8	27779.1	
Divided as follows:			1.83841 Miles	
KIND		Lin. Ft.	Sq. Yds.	Miles
Bituminous Macadam		1453.8	5581.2	0.27534
Top Dressing Macadam		8253.0	22197.9	1.56307
Totals		9706.8	27779.1	1.83841

NOTE—In addition to the above work the following macadamized streets were patched and otherwise repaired:

Andover St. from Nesmith St. to Clark Road.

Varnum Avenue.

Pawtucket Boulevard.

Mammoth Road.

A seal coat of tar was put on Colonial Ave. from Moody St. to Riverside St.

WORK IN DETAIL UPON MACADAMIZED STREETS, 1919

Street	Location	Regulation
Second Avenue	Mammoth Rd. to White St.	2 sq. gr. C. B. built. 2 Sew. manholes reg. to gd. 2 sq. gr. C. B's. reg. 1 Sew. manhole built. 178.2 lin. ft. edge reset 9.2 lin. ft. curv. stone set.
West Sixth	..... West St. to Coburn St.	1 Catch basin rebuilt.
South	.....Appleton St. to Summer St.	28.85 lin. ft. edge set. 35.9 lin. ft. edge reset. 10.85 lin. ft. curv. stone set. 69 sq. yds. brick s. wk. relaid.
Andover	..... At Wentworth Avenue	1 catch basin built. 35.65 Sq. Yds. paved gutter. 91.7 ft. long laid.
Liberty	..... Osgood St. to Pine St.	None
Pine	..... Stevens St. to Westford St.	None
Rock	..... Fletcher St. to Willie St.	None
Moody	..... Bidge to N. S. No. 881	None
Cross	..... Fletcher st. to opposite No. 188	None
Mt. Vernon	..... Varney St. to about 50 ft. S. of Cross St.	None
Wannalancit	... Clare St. to Pawtucket St.	None

MACADAM, 1920

Street	Location	Lin. Ft.	Sq. Yds.	Kind
Dummer	.....Market St. to Broadway	420.0	1627.4	Tar Macadam
Eleventh	.....Bridge St. to Methuen St.	521.0	1189.8	Plain T. D.
Eustis Avenue	.....Bridge St. w'ly	380.0	1182.2	Water B.
Fayette	.....East Merrimack St. to Bartlett St.	250.0	722.2	Water B.
Hall	.....Aiken St. to N. L. Perkins St.	450.0	1800.0	Plain T. D.
High	.....At Junction Bartlett St.	39.0	125.4	Tar Macadam
Nichols	.....Branch St. to Westford St.	470.0	1200.0	Tar Macadam
Parkview Ave.	.....Hovey St. to Laurel St.	1691.0	3817.2	Tar Macadam
Pentucket Ave.	.....Andover St. s'ly	250.0	644.0	Water B.
Third	.....Beacon St. to West of Fremont St.	700.0	1661.0	Plain T. D.
Third	.....N. S. Beech St. to Bridge St.	780.0	780.0	Plain T. D.
Thorndike	.....Middlesex St. to Appleton St.	216.4	605.9	Plain T. D.
Tucker	.....Hall St. to Cheever St.	445.0	1780.0	Plain T. D.
Walker	.....Broadway to N. of Waugh St.	224.0	622.2	Water B.
Ward	.....Perkins St. to Tucker St.	490.0	1524.4	Plain T. D.
Whipple	.....Central St. to Watson St.	830.0	2225.5	Plain T. D.
Wilder	.....Broadway to Middlesex St.	1113.0	3125.0	Tar Macadam
Woburn	.....City Line to Eugene St.	2794.0	6610.4	
Totals		12063.4	31242.6	
		2.28473 Miles		

MACADAM CONSTRUCTION, 1921

Street	Location	Type of Construction	Lgth. Lin. Ft.	Sq. Yds.	Regulation
Aiken Avenue	Junc. W. Sixth St.	Bituminous Macad. Asphalt Binder. 3 in. Finish Thickness	319.0	596.9	None
Andover	Fayette Street to High St.	Waterbound T. D.	303.0	882.0	None
Andover	Willow Street to Nesmith St.	Waterbound T. D.	198.0	682.0	None
*Broadway	Wilder Street to Rofe St.	Waterbound Macad.	400.0	1111.0	None
Chestnut	At Willow St.	Waterbound T. D.	50.0	358.0	None
Chestnut	Nesmith Street to Park St.	Waterbound T. D.	345.0	650.0	None
Eighteenth	Beacon St. N'y	Waterbound Macadam	617.0	1511.0	None
First	Simpson Street to P. C. Curve at New Boulevard.	Bituminous Macadam Tar Binder. 4 in. Finish Thickness.	3050.0	7078.25	1 new C. B. at Simpson St.

*Not Completed.

MACADAM CONSTRUCTION, 1921 — Continued

Street	Location	Type of Construction	Lgth. Lin. Ft.	Sq. Yds.	Regulation
Lilley Avenue	W. Sixth St. to Hildreth St.	Bituminous Macadam Asphalt Binder. 3 in. Finish Thickness.	1302.0	2604.0	None
Ludlam	Aiken Avenue to Hildreth St.	Waterbound, oiled.	1065.0	2757.0	None
Mammoth Road	Eighth Avenue to W. S. E. Meadow Road.	Bituminous Macadam Asphalt Binder. 3 in. Finish Thickness.	900.0	2516.0	None
Mammoth Road	City Line to East Meadow Road.	Waterbound Macadam.	483.0	1395.0	None
Nesmith	Andover St. N'tly	Waterbound T. D.	400.0	800.0	None
Pine	At Burr St.	Waterbound Macadam		128.0	1 new C. B. at W. L. Burr St. in Pine St.
Pine	Westford St. to Warwick St.	Waterbound T. D.	662.0	1716.8	None
School	Middlesex St. to Branch St.	Waterbound Macadam	395.0	1197.0	None

MACADAM CONSTRUCTION, 1921 — Continued

Street	Location	Type of Construction	Lgth. Lin. Ft.	Sq. Yds.	Regulation
School	Broadway N'y	Bituminous Macad. Tar Binder	31.5	94.5	None
		Asphalt Binder	418.8	1209.9	
		6 in. Finish Thickness.			
School	Westford St. to Liberty St.	Bituminous Macadam Asphalt Binder.	640.0	1834.8	None
		6 in. Finish Thickness.			
Third	Bridge Street to Fremont St.	Bituminous Macadam Asphalt Binder.	1560.0	3514.0	None
		3 in. Finish Thickness.			
West Sixth	Bridge Street to Hampshire St.	Bituminous Macadam Asphalt Binder.	385.0	905.5	About 200 feet stone gutters re- laid.
		3 in. Finish Thickness.			
Wilder	Princeton St. N'y	Bituminous Macadam Tar Binder.	430.0	991.6	None
		6 in. Finish Thickness.			
Windsor	Princeton St. to Westford St.	Bituminous Macadam Tar Binder.	345.0	884.7	None
		Old Mac. Foundation, 4 in. 2 in. Wearing course.			
Totals.....			13899.3	35407.95	
Asphalt			13181.10		2.6344 Miles
Tar			9039.05		
Plain			13187.80		

BITUMINOUS MACADAM CONSTRUCTION, 1922

Street	Location	Lgth. In Feet.	Sq. Yds.	Regulation
E. Merrimack	..Nesmith St. to Park St.	507	1044.14	None
Laurel	.....Rogers St. to Wentworth Avenue	630	1616.13	None
Wentworth Ave.	..Laurel St. to Hovey St.	1680	4206.99	None
Osgood	.....Westford St. to Liberty St.	645	2058.97	None
Stevens	.....Westford St. to Pine St.	720	2731.42	None
Pine	.....Westford St. to Stevens St.	1810	5137.71	118.77 new circle stone. H. Conc. 183.71 sq. yds. H. T. Dressing 88.44 sq. yds.
West Sixth	.....End 1921 work at E. S. Hampshire St. W'ly to Coburn St., including Hampshire St. Junction	750	32/2.76	102.80 lin. ft. old stone reset. 31.50 lin. ft. circle stone.
Rogers	.....N. S. Hanks St. E'ly to Angle	300	450.00	None
Totals		7042	20518.12	

NOTE—Macadam 3 in. stone on broken stone base, penetrated with Asphalt, with seal coat of Asphalt.
Rogers St. resurfaced and sealed with Asphalt.
East Merrimack St. 4 in. stone on gravel base.

WATERBOUND MACADAM WITH OILED SURFACE, 1922

Street	Location	Length	Sq. Yds.
Oakland	Pine to Parker St.	720	1917
Liberty	Osgood St. to Smith St.	960	3033
Lincoln	Gorham St. to Autumn St.	945	2800
Riverside	City Line	500	2000
Avon	Fifth Ave. to Sixth Ave.	300	933
Wamesit	Lawrence St. to Hosford Sq.	500	1711
Highland	Thorndike St. to South St.	840	3556
Moore	Bleachery St. to Agawam St.	1380	4050
Wilder	Westford St. to Princeton St.	375	1198
Astor	Fort Hill Ave. to Hanks St.	291	933
Hoyt Avenue	Waverly Ave. to Knapp Ave.	975	2778
West Sixth	Coburn St. to Bunker Hill	840	3094
Total		7786	28003
Total Macadam—All Kinds			48,521.12

BITUMINOUS MACADAM CONSTRUCTION, 1923

Street	Location	Lgth, Lin. Ft.	Sq. Yds.	Regulation
East Merrimack..	At Nesmith St.		97.64	None
Florence Ave. ..	Westford St. to Pine St. 1100		3436.00	None
Laurel	W. S. Fairmount St. N'y 120		84.00	None
Merrill Ave.	Eleventh St. N'y.....	480	1493.30	None
Methuen	At Eleventh St.		200.00	None
Methuen	At Beacon St.		400.00	None
Methuen	At Tenth St.		480.00	None
Thirteenth	At Wachusett St.		50.00	None
Thirteenth	At May St.		300.00	None
Twelfth	At Wachusett St.		28.00	None
Twelfth	At May St.		28.00	None
Varnum Ave.	Brookside St. to Dunbar Avenue 1900		5945.44	None
West Sixth	At Bunker Hill St....		116.00	None
Totals.		3600	12658.38	

WATERBOUND MACADAM WITH OILED SURFACE, 1923

Street	Location	Lgth. Lin. Ft.	Sq. Yds.
Riverside	Moody St. to Bodwell Ave.	1250	4714
Middlesex	Branch St. to W. L. Maude St.	1320	5250
Fremont	At Sixth St.		300
Bond	Stevens St. to Highland Ave.	280	645
Chauncey	D St. to B St.	460	1534
B	Stevens St. to Chauncey St.	180	644
Wedge	Highland Ave. to end of street	660	2579
D	Stevens St. to Chauncey St.	180	517
Tremont	Merrimack St. to Moody St.	180	807
Race	Merrimack St. to Moody St.	180	720
Suffolk	Merrimack St. to Canal	510	1017
*Ruth	Parker St. to Wedge St.	750	1667
Totals		5950	20394

*Completed too late to oil.

STREETS RESURFACED, GRADED AND OILED WITH TARVIA, 1923

Street	Location	Sq. Yds.
Parker	Stevens St. to Crescent St.	5961
Pine	Westford St. to Foster St.	6387
Westford	Pine St. S'ly	900
Wilder	Pine St. to Parker St.	7579
Total		20827

BITUMINOUS MACADAM CONSTRUCTION, 1924

Street	Location	Lgth. Lin. Ft.	Sq. Yds.	Regulation
Riverside	Bodwell Ave. to Alma St.	760	3292.22	2 new catch B. 3 S. M. H's. reg.
Rogers	Lawrence St. to B. & M.R.R.	650	2093.90	367.67 sq. yards H. Conc. 301.45 sq. yards H. T. D. 800 lin. ft. edge reg. 8.8 lin. ft. new circle stone.
Total		1410	5386.12	

**OLD BITUMINOUS MACADAM WITH SEAL COAT,
1924**

Street	Location	Lgth. Lin. Ft.	Sq. Yds.
Bowden	Gorham St. to Stromquist Avenue	1080	3360.00
Blossom	Gorham St. to Border St.	1320	4530.00
Corbett	Gorham St. to No. 61	610	1898.00
Cosgrove	Stromquist Ave. to No. 45	640	1991.00
Livingston	Gorham St. to Carter St.	580	1353.00
Lundberg	Gorham St. to R. R. Bridge	1150	3178.00
Olive	Gorham St. to end	470	1462.00
Total		5850	17772.00

OLD ASPHALT WITH SEAL COAT, 1924

Street	Location	Lgth. Lin. Ft.	Sq. Yds.
Cross	No. 125 to Mt. Vernon St.	520	1213.00
Willie	Rock St. to Cross St.	630	2520.00
Total		1150	3733.00

WATERBOUND MACADAM, 1924

Street	Location	Lgth. Lin. Ft.	Sq. Yds.
Keene	Gorham St. to Chapel St.	615	1210
South	Gorham St. to Summer St.	1047	3141
Mt. Hope	Riverside St. to ½ way Colonial Ave.	150	450
Mt. Hope	Riverside St. to ½ way Gershom Ave.	295	885
Floyd	Mead St. E'ly	200	200
Hudson	Central St. to Richmond Ave.	480	640
Pollard	Chapel St. to Angle St.	250	550
S. Highland	Patches	75	100
Lyon	No. 28 to No. 44	150	217
Linden	Union St. S'ly	200	66
Congress	Robinson St. to No. 101	150	200
Congress	Thorndike St. to No. 69	350	467
Congress	No. 110 to No. 134	230	230
Butler Avenue	Crosby St. S'ly	36	60
Abbott	Central St. to Lawrence St.	58	644
Robinson	Congress St. W'ly	20	20
Center	Central St. to Chapel St.	265	530
Barclay	Thayer St. to Liberty St.	615	1640
Thayer	Bellevue St. to Barclay St.	113	350
Total		5299	11600

SUMMARY MACADAM CONSTRUCTION, 1924

TYPE	Length	Sq. Yds.
Bituminous Macadam	1410	5386.12
Old Bituminous Macadam with Seal Coat	5850	17772.00
Old Asphalt with Seal Coat	1150	3733.00
Waterbound Macadam	5299	11600.00
Total All Kinds	13709	38491.12

BITUMINOUS MACADAM CONSTRUCTION, 1925

Street	Location	Lgth. Lin. Ft.	Sq. Yds.
Andover	E. Mass. St. Ry. Track at Butman Rd.	100	50.0
Apple	Chelmsford St. to Railroad St.	460	1431.0
Ruth	Parker St. to Wedge St.	752	1671.0
Lundberg	R. R. Bridge to Meadowcroft St.	180	540.0
Durant	Beacon St. to Third St.	1105	3315.0
Everett	Fayette St. to High St.	255	703.3
Total		2852	7715.3

OLD BITUMINOUS MACADAM WITH SEAL COAT, 1925

Street	Location	Lgth. Lin. Ft.	Sq. Yds.
Saratoga	Gorham St. to E. L. Chippewa St.	635	1976.0
Barrington	Andrews St. to S. Whipple St.	474	868.0
Total		1109	2844.0

WATER BOUND, 1925

Street	Location	Lgth. Lin. Ft.	Sq. Yds.
Livingston Ave.	Middlesex St. to No. 70	690	2300.0

SUMMARY MACADAM CONSTRUCTION, 1925

TYPE	Lgth. Lin. Ft.	Sq. Yds.
Bituminous Macadam	2852	7715.3
Old Bituminous Macadam with Seal Coat	1109	2844.0
Waterbound Macadam	690	2300.0
Total All Kinds	4651	12859.3

NOTE—Above compiled from list furnished by Street Dept.

BITUMINOUS MACADAM CONSTRUCTION, 1926

Street	Location	Lgth. Lin. Ft.	Sq. Yds.
Gertrude Ave.	Westford St. to Princeton Boul.	590.0	1967.00
Sayles	Middlesex St. to Princeton Boul.	1321.0	3523.00
Clark Road	Center of Havilah St. to Tewksbury Line	2500.0	5000.00
Glenwood	Butman Road to Luce St.	514.0	1428.00
Grand	Middlesex St. to Westford St.	458.3	989.70
Perkins	At junction Pawtucket & Tucker Sts.	129.3	229.87
Cedar	Central St. to Keene St.	570.0	1570.67
Chauncey	Shaw St. to D St. (Unfinished)		
Meadowcroft	B. & M. R. R. Track to Lundberg St. (Unfinished)		
Rhodora	Parker St. to Wedge St. (Unfinished)		
Total		6082.6	14708.24

OLD BITUMINOUS MACADAM WITH SEAL COAT, 1926

Street	Location	Lgth. Lin. Ft.	Sq. Yds.
Clark Road	Andover St. to center Havilah St.	856	1712.00
Hawthorne	Pine St. to Parker St.	950	2955.00
Total		1806	4667.00

SUMMARY MACADAM CONSTRUCTION, 1926

TYPE	Lgth. Lin. Ft.	Sq. Yds.
Bituminous Macadam	6082.6	14708.24
Old Bituminous with Seal Coat	1806.0	4667.00
Total All Kinds	7888.6	19375.24

NOTE—Above compiled from list furnished by Street Dept.

STREETS GRADED AND SURFACED IN 1917

Street	Location	Lin. Ft.	Sq. Yds.
Anderson	Gorham St. to Stromquist Ave.	927	2317
Clark	Fletcher St. to W. Clark St.	231	462
Congress	Gorham St. Northerly	430	516
Davenport Ter- race E.	Florence Ave. to Georgia Ave.	550	1650
Garden Road ..	Andover St. Southerly	500	1500
Hanover	Merrimack St. to Market St.	175	442
*Hawthorne	Pine St. Southerly		
Hobson	Gorham St. to Linden St.	164	437
Linden	Elm St. to Pollard St.	243	486
Prospect	Central St. to Butler Ave.	182	566
Race	Merrimack St. to Ford St.	286	1112
So. Highland	Thorndike St. Easterly	166	157
Starbird	Varnum Ave. Northerly	200	620
Summer	South St. to Favor St.	1060	3180
Varnum Avenue.	Brookside St. to Dunbar Ave.	1750	4083
Total		6864	17528

1.300 lin. miles

*Uncompleted.

STREETS GRADED AND SURFACED IN 1918

Street	Location	Lin. Ft.	Sq. Yds.
Bertha	Walker St. to Waugh St.	360	680
Boston Road	Fruit St. Southerly	250	833
*Boston Road	Fruit St. Northerly	516	1720
Boylston	From point 100 ft. N. of No. 48 S'y	2294	6372
Broadway	Pawtucket St. to Rolfe St.	930	1860
Clare	Wannalancit St. Westerly	125	290
Everett	High St. to Fayette St.	295	524
First	Bay State St. Ry. Co. Car Barn to City Line	480	1440
Foster	From near Winona St. Southerly	650	1444
Foster	Westford St. to Princeton St.	360	880
Glidden Ave.	Marginal St. to Middlesex St.	330	770
King	Middlesex St. to West Jackson St.	100	222
Llewellyn	First St. Northerly	428	1070
Livermore	Bartlett St. to Stackpole St.	208	832
Middlesex	Baldwin St. to City Line	3898	3898
Pawtucket	At Grade Crissing	200	600
Pawtucket	From No. 513 to point 250 ft. E. of N. line Broadway	950	2322
Pine	Westford St. Southerly	729	1918
Railroad	Hale St. Northerly	150	333
Sayles	From No. 9 Southerly	1000	1333
Seventh Ave.	At Mt. Grove St.	32	178
*Westford	From Crossroads to point near Carl St.	600	1467
W. Meadwod Rd.	From Isolation Hospital Southerly	750	1222
Willow	Andover St. to Chestnut St.	372	1178
Woburn	Railroad Bridge Southerly	625	1111
Total		16632	34497

3.15 Miles

*Uncompleted.

STREETS GRADED AND SURFACED IN 1919

Street	Location	Lin. Ft.	Sq. Yds.
Autumn	Maple St. to Lincoln St.	210	467
Billerica	Lawrence St. to near No. 48	480	1280
Boston Road	End of 1918 work to near R. R. Bridge	500	1667
Boston Road	Near Edson Cemetery	300	800
Butman Road ..	Hovey St. Southerly	1590	1590
Cambridge	Tanner St. to Angle	180	200
Chelmsford.....	Stevens St. Southerly	1020	340
Clare	Wannalancit St. to Sargent St.	265	530
Crescent	Parker St. Northerly	60	120
Davenport—W. .	Pine St. Easterly		200
E. Meadow Rd...	From opposite No. 72 Northerly	750	1500
Eugene	Woburn St. to Billerica St.	770	2053
Farmland Road..	Cumberland Road to Dalton St.	335	670
Florence Ave. ..	Pine St. to Westford St.	1100	2689
Forest	Stevens St. Easterly	920	2556
Fred	Lupine Road Northerly	100	200
Georgia Ave.	Pine St. to Bertram St.	270	675
Hawthorn	Pine St. Southerly	500	1556
Highland Ave. ..	Parker St. Northerly	400	1244
Holyrood Ave. ..	Rogers St. Southerly	400	1111
Lincoln	Autumn St. to R. R. Bridge	340	907
Lincoln	R. R. Bridge to Main St.	130	217
Lincoln	Main St. to Tanner St.	730	2352
Lupine Road	Fred St. Westerly	150	300
Main	Canada St. Northerly	200	711
Maple	Gorham St. to Autumn St.	950	2639
Marsh	School St. Westerly	145	363
Morey	Light Ave. northerly	200	889
Mt. Hope	White St. Easterly	223	594
Orleans.....	Lupine Road Northerly	60	120
Parker	Plain St. to Stevens St.	2158	4317
Pine	Primary School to Westview St.	1570	4172
Plain.....	Houghton St. to Parker St.	100	233

STREETS GRADED AND SURFACED IN 1919 — (Continued)

Street	Location	Lin. Ft.	Sq. Yds.
Quimby Ave.			270
Riverside	From macadam to City Line	1550	3875
Sanders Ave.	South of Pine St. Southerly	200	400
Spencer	Gorham St. Westerly	808	1323
Stevens	Chelmsford St. to Jenness St.	1468	2936
Tanner	Canada St. to Lincoln St.	280	700
Tenth	Christian St. to opposite No. 212	170	340
Third Ave.	From opposite No. 35 Easterly	200	689
Varney	Mt. Vernon St. to School St.	420	1027
Westford	Baldwin St. Westerly	2612	7256
West Bowers	School St. to Wannalancit St.	374	935
White	Third Ave. to Mt. Hope St.	468	1560
Wood	Westford St. to Middlesex St.	1781	3562
Totals		27437	64135

5.20 Miles

Boylston St. was graded with cinders, and Woburn St. was graded and filled at the new Bridge.

*** STREETS GRADED AND SURFACED IN 1920**

Street	Location	Lin. Ft.	Sq. Yds.
Birch	Fairmount St. to Wentworth Ave.....	890	1582
Broadway	At Junction Pawtucket St.		178
Canada	Main St. Easterly	100	400
Holyrood Ave. ..	Parkview Ave. Northerly	100	200
Lagrange	Suffolk St. Westerly	135	338
Lincoln	Tanner St. Easterly	278	927
Main	Lincoln St. to Plain St.	950	3800
Plain	Houghton St. Easterly	200	580
Pine	West View St. to Davenport St. West	317	951
Pine	Princeton St. Southerly	250	642
Pawtucket	From Junction Broadway Easterly ...	1670	4453
Stevens	Parker St. to Fleming St.	550	1375
Spencer	Boston Road Easterly	75	150
Sycamore	Fairmount St. to Wentworth Ave.	710	1578
Tanner	End of Paving to Lincoln St.	1170	3003
Westford	Town Line Easterly	300	900
West Adams	Wilder St. to Walker St.	600	1400
Wilder			1780
Totals		8295	24237

1.57 Miles

*List as furnished by Street Dept.

STREETS GRADED, GRAVELED OR SURFACED, 1921

Street	Location	Material	Lin. Ft.	Sq. Yds.
Albert	Stevens St. Easterly	Gravel	250	639
Anderson	Gorham St. to Stromquist Avenue	Gravel and old macadam	1164	2587
Arcadia Ave.	Princeton St. to Shawmut Avenue	Gravel	424	1036
Austin	Fort St. Southerly	Old, from Moody St.	274	792
Baldwin	Middlesex St. Southerly	Gravel	782	3675
Belrose Ave.	Hanks St. to Waverly Avenue	Cinders	365	1135
Beacon	Tenth St. to Richards St.	Cinders	600	1600
Boston Road	Spencer St. Northerly and Patches	Gravel	300	467
Bourne	Patches	Old, from Thorndike St.	40	40
Bourne	Andrews St. to Angle	Old, from Thorndike St.	217	543
Canada	Main St. to Shawmut Avenue	Gravel	50	111
Cascade Ave.	Princeton St. to Shawmut Avenue	Gravel	424	1036
Carlisle	Gorham St. Southerly	Old Macadam	500	1686
	Suttle St. Southerly	From Thorndike St.	81	
	At City Line	From Thorndike St.	25	
Chapel	Junction with Union St.	Old, from Thorndike St.	19	57
Chapel	Union St. to Charles St.	Old, from Thorndike St.	205	501
Chatham	From Pt. 100 ft. W. of Stevens St. Westerly	Gravel	344	642
Clark Road	At No. 204 and No. 133	Cinders	710	710
Columbia	Princeton St. to Middlesex St.	Gravel	656	1640

STREETS GRADED, GRAVELED OR SURFACED, 1921—Continued

Street	Location	Material	Lin. Ft.	Sq. Yds.
Coburn	From S. L. No. 174 to Hildreth St.	Old, from W Sixth and Third Sts.	470	1253
Courtland	Woodward Ave. to 100 ft. N. of W. Fifth Ave.	Gravel	350	700
Cornell	Princeton St. to Middlesex St.	Gravel	690	1725
Crawford	Fourth Ave. to W. L. No. 96	Gravel	220	660
Cumberland Rd.	Aiken Ave. Northerly	Old, from Lilley Avenue	175	467
Eighteenth	Patches	Cinders	100	200
Eighteenth	Beacon St. to Humphrey St.	Old, from Eighteenth St.	285	760
Endicott	White St. to Fourth Ave.	Gravel	280	840
Endicott	Fourth Ave. to End of 4th Lot	Gravel	220	660
Emery	Lang St. Easterly	Gravel	200	200
E. Meadow Rd.	E. L. No. 145 to No. 172	Gravel	660	990
E. Meadow Rd.	Mammoth Road Easterly	Gravel	75	108
Essex	Aiken Avenue Northerly	Old, from Lilley Avenue	160	436
Eustis Ave.	Bridge St. Southerly	Old, from Lilley Avenue	373	1160
Exeter	Dalton St. Northerly	Old, from Lilley Avenue	399	1011
First	Simpson St. to City Line, Patches	Cinders		
Ford	Aiken St. Easterly	Old, from Moody St.	424	988
Fairgrove Ave.	Princeton St. Northerly	Cinders	280	684
Gardner Ave.	Moody St. Westerly	Gravel	75	125
Grove	Loring St. to Walker St.	Old, from Wilder St.	335	836

STREETS GRADED, GRAVELED OR SURFACED, 1921—Continued

Street	Location	Material	Lin. Ft.	Sq. Yds.
Grand	Westford St. to Chelmsford St.	Old, from Thorndike St.	696	1,701
Grand	Chelmsford St. to Angle	Old, from Thorndike St.	324	50
Grand	Hale St. Northerly	Old, from Thorndike St.	50	78
Grace	Liberty St. to Burgess St.	Old, from School St.	504	1,232
Hastings	Liberty St. to Shaw St.	Old, from School St.	775	1,894
Howard	Chelmsford St. to near Westford St.	Old, from Thorndike St.	258	487
Holden	Westford St. to Princeton St.	Gravel	430	1,290
James	Moody St. to Ford St.	Old, from Moody St.	267	1,068
King	Middlesex St. Northerly	Old, from Thorndike St.	227	866
Lamb	Eighth Avenue Northerly	Old, from Mammoth Road	300	600
Lamb	No. 53 to N. L. No. 29	Gravel	242	592
Linden	Hobson St. to Elm St.	Old, from Locke St.	289	578
Linden	Union St. to Hobson St.	Old, from Thorndike St.	295	738
London	No. 53 to No. 71	Old Macadam from Thorndike St.	200	800
Lang	Avery St. to 50 ft. S. of Emery St.	Gravel	150	450
Melvin	Pawtucket St. Northerly	Old, from Moody St.	303	657
Midland	Stevens St. to Lang St.	Gravel	535	892
Midland	From Pt. 50 ft. E. of Lang St.	Easterly.....Gravel	275	458
Mt. Hope	White St. to Fourth Avenue	Gravel	440	389
Mt. Grove	Fourth Avenue to S. L. No. 14	Gravel	360	720

STREETS GRADED, GRAVELED OR SURFACED, 1921—Continued

Street	Location	Material	Lin. Ft.	Sq. Yds.
Mt. Grove	Fourth Avenue to Pt. 75 ft. S. of Sixth Avenue	Gravel	400	800
Mansfield Road	Raven Road Westerly	Gravel	133	414
Mansfield Road	Stafford Road Easterly	Cinders	90	230
Meadowcroft	Patches	Cinders	200	444
Main	Canada St. to Lincoln St.	Gravel	220	587
Moody	S. L. No. 980 to City Line	Gravel	260	433
Norcross	10 ft. W. of Chelmsford St. Westerly	Gravel	608	1013
Oliver	School St. to Clare St.	Old, from School St.	416	878
Otis	Andrews St. to Angle	Old, from Thorndike St.	365	730
Phillips	Portions	Old, from School St.	325	831
Pawtucket	Near Canal Bridge	Old, from Moody St.	53	100
Queen	Branch St. to Lawson St.	Old, from Thorndike St.	267	534
Ralph	Grand St. to Ware St.	Old, from Thorndike St.	175	544
Read	First St. to Second St.	Old, from W. 6th and Third Sts.	155	456
Rhodora	Parker St. to Wedge St.	Gravel	608	878
Richards	Beacon St. to Llewellyn St.	Cinders	438	730
Railroad	Hale St. to Angle	Old, from Thorndike St.	680	1133
Sargent	School to Clare St.	Old, from School St.	490	1198
Shaw	Smith St. to Chelmsford St.	Old, from Thorndike St.	700	1717
Shaw	Smith St. to Powell St.	Old, from Thorndike St.	147	437

STREETS GRADED, GRAVELED OR SURFACED, 1921—Continued

Street	Location	Material	Lin. Ft.	Sq. Yds.
Shaw	Powell St. to School St.	Old, from Thorndike St.	270	842
Stevens	75 ft. N. of Jenness St. to Flemings St.	Gravel	2037	5093
So. Wilder	Back of Washington School	Gravel	100	189
Sixth Avenue	S. L. Crawford St. Northerly	Gravel	125	250
Staples	Westford St. Southerly	Gravel	575	1789
Staples	From above point Southerly	Cinders	269	717
Spencer	Portions	Gravel	747	1326
Summer	South St. to near Thorndike St.	Old, from Thorndike St.	991	3194
Tolman Avenue	15 ft. W. of No. 19 Westerly	Gravel	100	167
Third	Beacon St. Easterly	Cinders	240	267
Union	Central St. to Chapel St.	Old, from Thorndike St.	196	338
Union	Chapel St. to Linden St.	Old, from Thorndike St.	220	550
Union	Linden St. to Gorham St.	Old, from Thorndike St.	132	425
Upham	From Angle Westerly	Gravel	551	539
Varnum Avenue	Lexington Ave. to 150 ft. E. of Tolman St.	Gravel	1750	4375
Whitman	Fairmount St. Easterly	Grading	150	600
Wilder	Emery St. to P. C. South of Rourke's	Gravel	680	3022
Wilder	Pine St. to Westford St.	Old, from Wilder St.	324	793
W. Meadow Rd.	Mammoth Road to 100 ft. W. of No. 46	Gravel	600	800
W. Fifth Ave.	650 ft. W. of Courtland St. to Wright St.	Gravel	550	1222

STREETS GRADED, GRAVELED OR SURFACED, 1921—Continued

Street	Location	Material	Lin. Ft.	Sq. Yds.
Waterford	.....Orchard St. to Starbird St. (Patching)	.....Gravel	100	200
Westford	.....City Line to South of Stedman St.	.....Gravel	3200	8000
Whidden	.....Moore St. Southerly	.....Old, from Thorndike St.	240	440
W. Forest	.....From near Twiss St. to Clifford St.	.....Gravel	75	92
West	.....Coburn St. to West Sixth St.	.....Old, from Third and W. 6th Sts.	750	2018
Totals			40913	100116

7.74868 Miles

PAVEMENT SUMMARY

	Sq. Yds.
Bituminous Macadam	19,886.55
Waterbound Macadam	13,187.80
Granite Block Pavement	16,610.13
Graveling and Grading	100,116.00

STREETS GRADED AND RESURFACED, 1922

Street	Location	Sq. Yds.
Lee.....		987
Butman Road and Cutter		889
Highland Ave. ..Pine St. to Parker St.		3450
Light Ave.		894
Stevens	Parker St. to Chelmsford	10733
Parker	Wilder St. to Pine St.	7538
Wilder	D. St. to Parker St.	2811
Pine	Sanders Avenue to Westford St.	3705
Sanders Ave.	Tyler Park to End	4855
Midland		4089
Inland		2939
Norcross		2811
Jenness		3067
Loring	Branch St. to Grove St.	830
Walker	Grove St. to Westford St.	1469
Grove		4472
Lane		2683
Horn		460
Fairmount	Laurel St. to top of Hill	6667
Boylston	Rogers St. to Calvin St.	6333
D	Powell St. to School St.	856
Pawtucket	From Broadway to Grade Crossing	1245
Brown		9668
Lincoln	Chelmsford St. to Autumn St.	11556
Shaffer		1711
Clare		2187
Oliver		889
Mt. Hope		5760
E. Meadow Rd...		7200
Wilder	Pawtucket St. to Broadway	3889
Prince	Moody St. Southerly	720
Tremont		300
Delard	West Sixth St. Southerly	2130
Puffer Ave.	Coburn St. Westerly	420
Crawford	Fifth Ave. to Sixth Ave. and Hill	1650
Fenwick	Market St. Southerly	360
Hildreth		600
Linwood	Midland St. to Forest St.	949
Total		123,772

WORK DONE ON SURFACE OF STREETS, 1922

PATCH AND SEAL COAT

Street	Location	Sq. Yds.
High		12153
Rogers	Lawrence St. to Butman Road	17361
Andover	Nesmith St. to Butman Road	13333
Wentworth Ave..	Andover St. to Hovey St.	6667
Hovey	Wentworth Avenue to Parkview Avenue	2000
Holyrood Ave. ..	Hovey St. to Laurel St.	6000
Parkview Ave. ..	Mansur St. to Laurel St.	9000
Laurel	Wentworth Avenue to Holyrood Avenue	1150
Durant		3178
Third	Fremont St. to Beacon St.	1667
Fremont	Third St. to Tenth St.	5333
Sixth	Read St. to Beacon St.	5000
Beacon	Sixth St. to Sanborn St.	3000
Myrtle	Sixth St. to Tenth St.	3400
Fourth	Read St. to Myrtle St.	1833
Fifth	Read St. to Myrtle St.	1833
Tenth	Methuen St. to Aberdeen St.	3322
Varnum		2833
Troy		1214
Putnam Ave.		1533
Gorham	Manchester St. to City Line	10756
Chelmsford	Plain St. to City Line	16333
Smith	Middlesex St. to Powell St.	8050
Powell	Liberty St. to Chelmsford St.	6133
Nichols	Branch St. to Westford St.	1278
Moody St. bridge		1960
Aiken Ave.		5333
Pawtucket Boul.		32333
Varnum Avenue..		6333
W. Sixth	Bunker Hill St. to Fire House	3067
Total		193386

STREETS GRADED AND RESURFACED, 1923

Street	Location	Sq. Yds.
Woodward Ave.	Orchard St. Westerly	450
Dunbar Ave.	Varnum Avenue to Pawtucket Boulevard	1436
W. Meadow Rd.	Mammoth Road to No. 37	711
Hazel	Rogers St. to Wentworth Avenue	492
Rea	Rogers St. Southerly	560
Staples		610
Billerica	Lawrence St. to Eugene St.	1840
Staveley		933
Parker	At Wedge St.	300
Stevens	Chelmsford St. to Jenness St.	4667
Viola	Stevens St. Easterly	1913
Upham	At Angle W. of Chelmsford St.	1333
Westford	Staples St. to Beyond Steadman St.	5720
Agawam	Moore St. Southerly	333
Belrose Avenue	Waverly Avenue to Wellington Avenue	800
Wellington Ave.	Rogers St. to Park Avenue East	2162
Brookings	Paige St. to French St.	676
*Butman Road	Andover St. to Hovey St.	2500
Mammoth Road	West Meadow Road to City Line	1350
Broadway	At Dummer St.	1587
Total		30373

*1600 ft. paved gutter 3.5 ft. wide laid.

WORK DONE ON SURFACE OF STREETS, 1923 PATCH AND SEAL COAT

Street	Location	Sq. Yds.
Bertha	Walker St. to Waugh St.	775
Waugh	Walker St. to Wilder St.	1792
Twelfth		3253
Thirteenth		3792
Wamesit	Lawrence St. to Central St.	1447
Dummer	Market St. to Broadway	1627
Eighth		989
Park	Andover St. to East Merrimack St.	2012
Chestnut	Nesmith St. to Park St.	1304
Summit		1560
Wyman		900
Andover	Fort Hill Avenue to Nesmith St.	1892
Edson	Westford St. to Princeton Boulevard	1107
Chester	Westford St. to Princeton Boulevard	1192
Methuen	Seventh St. to Beacon St.	6812
Lee	Kirk St. to John St.	1316
Burt	Westford St. to Pine St.	2414
Pentucket Ave. ..	Andover St. Southerly	1200
Laurel	Wentworth Avenue to Holyrood Avenue....	1327
Myrtle		5988
Tenth		2445
Wentworth Ave. ..	Andover St. to Hovey St.	6667
Riverside	Mammoth Road to Colonial Avenue	2717
Total		54,528

STREETS GRADED AND RESURFACED, 1924

Street	Location	Sq. Yds.
Broadway	Pawtucket St. Easterly	900
Stedman	Westford St. to City Line	5778
Westford	Staples St. to Stedman St.	4020
Middlesex	Baldwin St. to City Line	7880
Perry	Rogers St. to Paving	2515
Brown	East Merrimack St. to Stackpole St.	1960
Wood	Middlesex St. to Bowers House	2314
Hadley	Middlesex St. to Princeton Boulevard	1865
Columbia	Princeton St. Northerly	533
Lincoln	Hale's Brook to N. Y., N. H. & H. R. R. Bridge	4976
Main	Lincoln St. to Plain St.	1396
Liberty	Smith St. to Chelmsford St.	2916
Mt. Grove	Fourth Avenue to Third Avenue	363
Mt. Hope	No. 124 to White St.	300
Mt. Hope	Fourth Avenue to Sixth Avenue	1438
Robert	Sixth Avenue to No. 52	387
Avon	Fourth Avenue to Fifth Avenue	933
Crawford	Fourth Avenue to No. 92	426
Conduit	Riverside St. Northerly	400
Ivanhoe	Riverside St. to Conduit St.	995
Sixth Ave.	Mt. Hope St. to Dunfey St.	1318
Chatham	Stevens St. Southerly	400
Rhodora	Wedge St. Northerly	600
Rivercliff Road		489
Eastview	Butman Road Easterly	533
Upham	Stevens St. to Angle St.	933
Viola	Stevens St. Easterly	622
Midland	Chelmsford St. to Stevens St.	1640
Temple	Liberty St. to Hillside St.	1244
Maryland Ave.	Stevens St. to Royalston St.	747
McKinley Ave.	Stevens St. to Royalston St.	440
Total		51761

In addition to the above the following streets were also cindered:

Meadowcroft St.	Belle Avenue	Porter Terrace
Randolph St.	Harland Avenue	Boylston St.
Lawrence St.	Clark Road	

PATCH AND SEAL COAT, 1924

Street	Location	Sq. Yds.
Concord	Rogers St. to Pond St.	4932
Plummer Ave.	Andover St. to East Merrimack St.	2228
Daniels	Andover St. to East Merrimack St.	2030
Sidney	Moore St. to end	1705
Crowley	Moore St. to end	1825
Smith	Branch St. to Powell St.	7867
Nichols	Branch St. to Westford St.	1200
Lilley Avenue	West Sixth St. to Hildreth St.	2604
Aiken Avenue	West Sixth St. to Hildreth St.	6516
Pleasant	Rogers St. to Andover St.	6337
Hampshire	West Sixth St. to Hildreth St.	5130
Powell	Liberty St. to Chelmsford St.	7510
Oliver	School St. to Wannalancit St.	840
Clare	Broadway to Wannalancit St.	2000
Fay	Gorham St. to O'Connell St.	2056
Total		54780

STREETS PATCHED WITH COLD PATCH, 1924

First St.	Rogers St.	Sargent St.
Read St.	Hanks St.	Oliver St.
Third St.	Sherman St.	Wannalancit St.
Fourth St.	Willow St.	Gates St.
Fifth St.	Huntington St.	Chelmsford St.
Sixth St.	Perry St.	Powell St.
Seventh St.	Fairmount St.	Liberty St.
Varnum St.	Abbott St.	Smith St.
Methuen St.	Harrison St.	Pine St.
Sanborn St.	Wyman St.	Hastings St.
Beacon St.	Andover St.	Wilder St.
Humphrey St.	Park Ave. East	Walker St.
Myrtle St.	Park Ave. West	Stevens St.
Fremont St.	High St.	Glidden Ave.
Durant St.	Nesmith St.	Burt St.
Hampshire St.	Wentworth Ave.	Robbins St.
Jewett St.	Laurel St.	Belmont St.
West Sixth St.	Pentucket Ave.	Marlboro St.
West Fifth St.	Hoyt Ave.	Foster St.
Aiken Ave.	Belrose Ave.	Troy St.
Lilley Ave.	Porter St.	Chester St.
Hall St.	Oak St.	Coral St.
Cabot St.	Moody St. Bridge	Gates St.
Cheever St.	Colonial Ave.	Harvard St.
Ward St.	Riverside St.	Tyler Park
Perkins St.	Varnum Ave.	Putnam Ave.
French St.	Boulevard	Grove St.
John St.	Second Ave.	Royal St.
Paige St.	Mammoth Road	Middlesex St.
Lee St.	Woodward Ave.	Liberty St.
Wamesit St.	Broadway	Edson St.
Gorham St.	Fletcher St.	Loring St.
Andrews St.	Lombard St.	Sheldon St.
South Whipple St.	Mt. Vernon St.	Westford St.
Agawam St.	Varney St.	Canton St.
Elliott St.	Bowers St.	Princeton Boulevard
Swift St.	Gibson St.	Bellevue St.
South St.	Clare St.	Grand St.
Central St.	Common St.	Georgia Ave.
Summer St.	Arlington St.	Marginal St.
Meadowcroft St	Mt. Washington St.	
Fort Hill Ave.	Cross St.	

STREETS GRADED AND RESURFACED, 1925

Street	Location	Sq. Yds.
Bunker Hill	West Sixth St. to Lakeview Avenue	2007
Middlesex	Patches	
Gertrude Ave.	Princeton Boulevard to Westford St.	1967
Lura	Parker St. to Wedge St.	2360
Woburn	Eugene St. to City Line	6610
Arbor Road	Andover St. to Frothingham St.	1140
Concord	Rogers St. to Alton St.	2300
Sayles	Middlesex St. Southerly	1500
Leroy	Patches	
Aberdeen	Patches	
Otis	Patches	
Cushing	Patches	
Franklin	Patches	
Meadowcroft	Patches	
South Wilder	Patches	
West Albert	Patches	
Forest	Patches	
Stevens	Patches	
Westford	Patches	
Wood	Patches	
West Clark	Fletcher St. to Clark St.	510
Rockdale Ave.	Fletcher St. to Bowers St.	825
White	Patches	
Sarah Ave.	Patches	
Gershom Ave.	Patches	
Eighteenth	Bridge St. to Whitney Avenue	175
Methuen	At City Line	900
Total		20,294

NOTE:—Above compiled from list furnished by Street Dept.

PATCH AND SEAL COAT, 1925

Street	Location	Sq. Yds.
Houghton	Plain St. to Crescent St.	1156
Phillips	Broadway to Marsh St.	790
Plain	Chelmsford St. to Houghton St.	467
Crescent	Chelmsford St. Westerly	511
Ludlam	Hildreth St. to Aiken Avenue	2596
Carlisle	No. 110 to City Line	1550
Third	Beacon St. to E. L. Fremont St.	1333
Beacon	Third St. to Durant St.	1333
South Whipple	Lenox St. to 100 ft. North of Barrington St.	720
Total		10,456

NOTE:—Above compiled from list furnished by Street Dept.

PAVED GUTTERS, 1925

Street	Location	Lgth. Lin. Ft.	Sq. Yds.
Chauncey	East side Shaw St. to D St.	450	150
Winthrop Ave.	Portion on South side East of Powell St.	90	30
Total		540	180

STREETS PATCHED WITH COLD PATCH, 1925

Andover St.	Dover St.	Cabot St.
Chelmsford St.	Coral St.	Spaulding St.
West Sixth St.	Middlesex St.	Race St.
Varnum Ave.	West Adams St.	Suffolk St.
Moody St. Bridge	Madison St.	Cross St.
Westford St.	Cedar St.	Common St.
Pine St.	Carter St.	Auburn St.
Edson St.	Chapel St.	Ludlam St.
Princeton St.	Lane St.	Oak St.
Wilder St.	Bellevue St.	Favor St.
R.R.Tracks, Bridge St.	Smith St.	Methuen St.
John St.	Powell St.	Fisher St.
Kirk St.	Gates St.	Coolidge St.
Boulevard (Pawtucket)	Cambridge St.	Perkins St.
Robbins St.	Walker St.	Congress St.
Marlborough St.	Sheldon St.	Central St.
Foster St.	Ware St.	Colburn St.
Gibson St.	Royal St.	Tilden St.
Oakland St.	Grand St.	Tremont St.
Chester St.	Colonial Ave.	Hanover St.
Burt St.	Riverside St.	London St.
Sanders Ave.	School St.	Union St.
Lee St.	Washington St.	Linden St.
Hastings St.	Wannalancit St.	Pollard St.
Liberty St.	Ralph St.	Hobson St.
Shaw St.	Tucker St.	Aiken Ave.
D St.	Cheever St.	Ennell St.
B St.	Pawtucket St.	Adams St.
Bond St.	Mt. Vernon St.	Fort Hill Ave.
Stevens St.	Mt. Washington St.	South St.
Sayles St.	Bowers St.	Summer St.
Tyler Park	Hall St.	Sherman St.
Harvard St.	Arlington St.	Butterfield St.
Livingston Ave.	Varney St.	Second St.
South Canton St.	Dix St.	Fourth St.
Canton St.	Ellsworth St.	Fifth St.
Putnam Ave.	Swift St.	Sixth St.
Grove St.	Lincoln St.	Meadowcroft St.
Loring St.	London St.	Agawam St.
Newhall St.	Broadway	Barrington St.
Chambers St.	Fletcher St.	Concord St.
Kinsman St.	Austin St.	Perry St.

STREETS PATCHED WITH COLD PATCH, 1925—Continued

Read St.	Stackpole St.	Humphrey St.
Jewett St.	Bartlett St.	Hanks St.
Brown St.	Alder St.	Rogers St.
Ash St.	Willow St.	Hoyt Ave.
Tyler St.	Fayette St.	Belrose Ave.
George St.	Pearl St.	Howard St.
Mill St.	Myrtle St.	High St.
Ames St.	West Third St.	Andover St.
Rock St.	Varnum St.	Fremont St.
Winter St.	Merrill Ave.	Astor St.
West Fourth St.	Eleventh St.	Huntington St.
Hampshire St.	First St.	Waverley Ave.
Mammoth Road	Tenth St.	Beacon St.
Charles St.	Hildreth St.	Parkview Ave.
Gorham St.	Wyman St.	South Whipple St.
West Fifth St.	Clitheroe St.	Methuen St.
Elliott St.	Mansur St.	Lawrence St.
Fisher St.	Fairmount St.	East Merrimack St.
Boisvert St.	Belmont St.	Willie St.
Victor St.	Talbot St.	Chestnut St.
Cushing St.	Summit St.	Beaulieu St.

STREETS GRADED AND RESURFACED, 1926

Street	Location	Sq. Yds.
Luce	Andover St. to Glenwood St.	3085
Woburn	Lawrence St. to R. R. Bridge	572
England	Lawrence St. to Warnock St.	264
Morton	Lawrence St. Easterly 160 ft.	462
Webber	Middlesex St. Culvert over Black Brook...	1525
Baldwin	Middlesex St. to Pt. near Princeton Boulevard	1550
Martin	Sparks St. over Beaver Brook Bridge	4780
Chatham	Pt. 150 ft. from Stevens St. Westerly	666
West Tenth	Bridge St. Westerly	370
Boynton	Between Bridge St. and Hildreth St.	2800
Middlesex	Pt. near Gilbride Terrace to Power Station, Patches.	
Bodwell Ave. ...	Gershon Avenue to White St.	622
Jewett	Hildreth St. Southerly	666
St. James	Meadowcroft St. to Crowley St.	1444
Dalton	Aiken St. to Exeter St.	900
East Merrimack..	Rivercliff Road to Andover St.	450
Boston Road	Spencer St. N'y to R. R. Bridge, Patches	
Boylston	Rogers St. S'y to R. R. Bridge, Patches	
Eustis Ave.	Bridge St. to Hildreth St. Patches	
Rose Ave.	McKinley Avenue to West Forest St.	777
Hildreth	Coburn St. to 50 ft. East of Hampshire St.	1350
Cumberland Rd..	Aiken Avenue to Dalton St.	1150
Branch	Loring St. to Dover St.	2158
Fifth Ave. Exten.	Mammoth Road to Mt. Grove St. (Unfinished)	
Total		25591

NOTE—Compiled from list furnished by Street Dept.

PATCH AND SEAL COAT, 1926

Street	Location	Lgth. Lin. Ft.	Sq. Yds.
Eleventh	Bridge St. Easterly	224	548
Thirteenth	Bridge St. Easterly	40	129
Highland Ave.	Parker St. to Wedge St.	200	622
Total		464	1299

PAVED GUTTERS, 1926

Street	Location	Lgth. Lin. Ft.	Sq. Yds.
Fairmount	Rogers St. near Lilley's Drive	1693	265 7
Burt	Westford St. Southerly	50	17 0
Eleventh	Bridge St. Easterly	294	130 0
Varney	At No. 72 Easterly	100	45 0
Broadway	At Lovejoy's Drive	15	8 3
Middlesex and Branch	At Dover St.	40	18 0
Total		2197	484 0

RIM STONE, 1926

Street	Location	Lgth. Lin. Ft.	Sq. Yds.
Fairmount	Between Hazel St. and Lilley's Drive	210	
Lawrence	At Burton St.	20	
Total		230	

STREETS PATCHED WITH COLD PATCH, 1926

Georgia Ave.	Waugh St.	Ellsworth St.
Fletcher St.	Boisvert St.	Powell St.
Highland Ave.	Harvard St.	Oak St.
Hanover St.	Jewett St.	Parker St.
Stevens St.	Chauncey St.	Fisher St.
Second Ave.	South Loring St.	Columbus Ave.
Winter St.	Laurel St.	Sarah Ave.
Ralph St.	Belmont Ave.	Farmland Road
South Walker St.	Tremont St.	Hampshire St.
Charles St.	Sanders Ave.	Canton St.
Harrison St.	Newhall St.	Royal St.
Chambers St.	Mt. Vernon St.	Middlesex St.
Viola St.	Andrews St.	Perry St.
Blodgett St.	South Highland St.	Mt. Washington St.
Agawam St.	Hastings St.	Stackpole St.
Smith Ave.	Eleventh St.	Windsor St.
Colonial Ave.	Chapel St.	South Whipple St.
Edson St.	Wentworth Ave.	Loring St.
Belmont St.	Boulevard	Smith St.
Ward St.	Favor St.	Mansur St.
Andover St.	Race St.	Fort Hill Ave.
Hosford Square	Tyler St.	Huntington St.
Concord St.	Wyman St.	Westford St.
Hovey St.	Sherman St.	Varnum Ave.
Washington St.	Hoyt Ave.	Elliott St.
School St.	Porter St.	Olney St.
Chelmsford St.	Lawson St.	Robbins St.
Lane St.	Coburn St.	Pine St.
Central St.	Oakland St.	Tilden St.
Linden St.	Cheever St.	Hall St.
Foster St.	Cabot St.	Princeton Boulevard
Riverside St.	Griffin St.	Waverly Ave.
Cabot St.	Madison St.	Clark St.
Butterfield St.	London St.	Clitheroe St.
West Davenport St.	Broadway	High St.
Prospect St.	Parkview Ave.	Austin St.
Royal St.	Ash St.	Chambers St.
Lincoln St.	Abbott St.	Midland St.
Rogers St.	Alder St.	Norwick St.
Mills St.	Talbot St.	Hanks St.
Ennell St.	Gibson St.	Queen St.
Rock St.	Pearl St.	Chester St.

STREETS PATCHED WITH COLD PATCH, 1926 — Continued

Suffolk St.	South St.	Gates St.
Bertram St.	Forest St.	Swift St.
Cross St.	Norcross St.	Union St.
Aiken Ave.	Wilder St.	East Merrimack St.
Grove St.	Nesmith St.	Stafford Road
Liberty St.	West Sixth St.	Ames St.
Fairmount St.	Floyd St.	New Howard St.
Willie St.	Butler Ave.	Cambridge St.
Ludlam St.	Barrington St.	Summer St.
Adams St.	Arlington St.	Ware St.
Walker St.	Bartlett St.	Blossom St.
Victor St.	Fayette St.	Summer St.
Putnam Ave.	North St.	Aiken Ave.
Warwick St.	Astor St.	Lilley Ave.
Read St.	Dover St.	Common St.
Smith St.	Marlborough St.	West Adams St.
Fairview St.	South Canton St.	Beaulieu St.
Pollard St.	Moody St.	Troy St.
Cady St.	Varney St.	Fulton St.
Summit St.	Spaulding St.	Harris Ave.
Livermore St.	Congress St.	Jenness St.

STREETS CINDER PATCHED, 1926

Lawrence St.	Wilder St.	Arthur St.
South Wilder St.	Rivercliff Road	Belrose Ave.
Woburn St.	Douglas Road	Arbor Road
Wetherbee Ave.	Holbrook Ave.	Parker St.
Houghton St.	Fairfax St.	Garden Road
Atlantic St.	Flemings St.	Rose Ave.
Lincoln St.	Winthrop Ave.	Powell St.
Hale St.	Highland Ave.	Hawthorne St.
Lura St.	Blossom St.	Billings St.
London St.	Liberty St.	West St.
Beacon St.	Clare St.	Brown St.
Cross St.	Baldwin St.	Stanley St.
Wilder St.	Adam Terrace	Easton St.
Thayer St.	Barrington St.	Havilah St.
Agawam St.	Remington St.	East Merrimack St.
Grand St.	Frothingham St.	Butman Road
Walker St.	Methuen St.	Washington St.
Florence Road	Temple St.	Boylston St.
Epping St.	Mammoth Road	Chestnut St.
McKinley Ave.	Pentucket Ave.	Laurel St.
Porter St.	Lundberg St.	Main St.
Midland St.	Gibson Road	Pihl St.
Perry St.	Hildreth St.	Barasford Ave.
Whipple St.	Terrace Garden	Bowden St.
Lenox St.	Manahan St.	Moore St.
Gorham St.	Martin St.	

STREETS GRAVEL PATCHED, 1926

Melrose Ave.	Riverciff Road	Farmland Road
Shaw St.	Birch St.	Wood St.
Sixth Ave.	Cambridge St.	McKinley Ave.
Grand St.	Tanner St.	Raven Road
Lexington Ave.	Totman St.	Parker St.
Columbia St.	Townsend Ave.	Lincoln St.
A St.	B St.	Liberty St.
Dartmouth St.	Holden St.	Harris Ave.
Wedge St.	Columbia Road	Cornell St.
D St.	Middlesex St.	Stevens St.
Upham St.	Victoria St.	Shaw St.
Puffer St.	Crescent St.	Walden St.
Maple St.	Fremont St.	Mt. Pleasant St.

BITUMINOUS MACADAM CONSTRUCTION, 1927

Street	Location	Lgth. Lin. Ft.	Sq. Yds.
Carleton	Middlesex St. to Marshall St.	235.0	532.70
Carolyn	Ennell St. to N. L. Hugh St.	721.0	2243.10
Chauncey	D St. Junction to Shaw St.	492.3	1321.10
Cross	Mt. Vernon St. Easterly	57.0	193.20
Dartmouth	Westford St. to Princeton Boulevard	380.0	1055.60
First	Read St. to Simpson St.	901.0	450.50
Hawthorn	Parker St. Northerly	204.0	395.30
High	Porter St. Northerly	190.0	92.90
Lee	Kirk St. to John St.	378.0	1302.00
Lundberg	Meadowcroft St. Southwesterly	23.0	72.80
Lura	Parker St. Southerly	42.0	172.70
Meadowcroft	At Lundberg St. Junction	114.7	220.00
Oakland	Pine St. to Parker St.	733.0	2311.50
Porter	At High St.	190.0	49.80
Prospect	Butler Avenue Easterly	287.0	414.57
Rhodora	Parker St. to Wedge St.	585.0	1820.00
Sheldon	Chelmsford St. to Royal St.	316.0	722.67
St. James	Meadowcroft St. to Crowley St.	678.0	2131.11
Varnum Ave.	From No. 89 Westerly	186.0	62.00
Westchester	Stevens St. Westerly	410.0	1191.00
Wilder	In front of Gage's Barn in gutter	70.0	31.10
Total		7193.0	16785.65

PATCH AND SEAL COAT, 1927

Street	Location	Lgth. Lin. Ft.	Sq. Yds.
Barker	Exeter St. to Fisher St.	275.0	702.80
First	N. S. Read St. to Simpson St.	200.0	66.70
Grand	Middlesex St. to Westford St.	458.0	1119.60
Howard	Middlesex St. to Westford St.	483.0	1207.50
Marlborough	Westford St. to Pine St.	1023.0	2500.70
Moody St. bridge	Over Merrimack River	494.4	1713.92
Paw't Blvd.	Varnum Avenue to Dunbar Avenue	2150.0	4777.80
Powell	D St. to Chelmsford St.	1280.0	3271.10
Sayles	Middlesex St. to Princeton Boulevard	1310.0	3493.00
School	At Liberty St. Junction		179 13
Smith	Liberty St. to Powell St.	821.0	2306.50
Windsor	At Princeton Boulevard Junction	34.9	123.31
Total		8529.3	21462.06

PAVED GUTTERS, 1927

Street	Location	Lgth. Lin. Ft.	Sq. Yds.
Pine	B. S. Westford St. to Princeton Blvd.	1182.5	151.47
Hovey	B. S. Butman Road Easterly	184.0	61.30
Total		1366.5	212.77

RIM STONE, 1927

Street	Location	Lgth. Lin. Ft.	Sq. Yds.
Hovey	B. S. Butman Road Easterly	142	

STREETS PATCHED WITH COLD PATCH, 1927

Westford St.	Fort Hill Ave.	Washington St.
Beech St.	Woodward Ave.	South Whipple St.
Concord St.	Grove St.	Robbins St.
Chelmsford Bridge	Lagrange St.	Tenth St.
Wilder St.	Mt. Washington St.	French St.
Third St.	Chestnut St.	Ludlam St.
Appleton St.	Greendale Ave.	Kinsman St.
Varnum Ave.	Bellevue St.	Andover St.
Hale St.	East Merrimack St.	Broadway
Hastings St.	Burt St.	High St.
Gorham St.	Ennell St.	Wentworth Ave.
Nesmith St.	Maryland Ave.	Sixth Ave.
Oak St.	Fremont St.	Dutton St.
Cambridge St.	Shaw St.	Boulevard
Barclay St.	Chelmsford St.	Smith St.
Bartlett St.	Walker St.	Liberty St.
Middlesex St.	Central Bridge	Merrimack St.
Cumberland Road	Riverside St.	High St.
McIntyre St.	Holyrood Ave.	Perry St.
Grand St.	Rogers St.	Moody St.
Harris Ave.	Parkview Ave.	Beacon St.
Moody Street Bridge	Merrill Ave.	Fayette St.
Princeton St.	School St.	Queen St.
Rock St.	Chester St.	Belmont St.
Colonial Ave.	A St.	Carleton St.
Vernon St.	Carlisle St.	Norcross St.
Ivy St.	Willow St.	Lupine Road
Howard St.	Methuen St.	

STREETS CINDER PATCHED, 1927

Fay St.	Bourne St.	Oliver St.
Westchester St.	Epping St.	Chapel St.
Dalton St.	Parker St.	West Forest St.
Ivy St.	Plummer Ave.	Leverett St.
Forest St.	Coburn St.	Farmland Road
Stevens St.	Bridge St.	Billings St.
Sixth Ave.	Hoyt Ave.	Pentucket Ave.
Hildreth St.	Rogers St.	School St.
Winthrop Ave.	Sprague Ave.	Boylston St.
Chester St.	Beacon St.	Bellevue St.

STREETS GRAVEL PATCHED, 1927

Varnum Ave.	Forest St.	Boston Road
Rhodora St.	Shaw St.	Ivanhoe St.
Chelmsford St.	Ware St.	Shirley Ave.
Riverside St.	D St.	Rosemont St.
Billerica St.	Main St.	Hovey St.
Middlesex St.	Ford St.	Meadow Road
Upham St.	London St.	Greenfield St.
Puffer St.	Baldwin St.	Moody St.
Wilder St.	Martin St.	Woburn St.
Bourne St.	Farmland Road	Sixth Ave.
Fairfield St.	Laurel St.	Viola St.
Warwick St.	Lexington Ave.	Nottingham St
Rogers St.	Totman Road	Harris Ave.
Fairgrove Ave.	Jenness St.	Dalton St.
Sparks St.	Boylston St.	Highland Ave.
Webber St.	Boulevard	South Walker St.
Woburn St.	Midland St.	Llewellyn St.
Baldwin St.	Blodgett St.	Fruit St.
Winthrop Ave.	Parker St.	Ferry Road
Norcross St.	Billings St.	Lafayette St.
Rogers St.	Luce St.	Terrace Garden
Magnolia St.	Manahan St.	
Pentucket Ave.	Clark Road	

STONE BOUNDS SET BY THE ENGINEERING DEPT. IN 1917

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Street	Intersecting Streets	Bound	Date Set	Remarks
Andover	S. S. Concord St. W. S.	City	May 10	
Belle Ave.	S. S. Stevens St. W. S.	City	May 15	Replaces Prop. Bd.
Belle Ave.	S. S. 299.77 ft. W. of Stevens St.	City	May 15	
Cardinal O'Connell Parkway	W. S. Merrinack St. S. S.	City	Oct. 30	Reset.
Cardinal O'Connell Parkway	W. S. Market St. N. S.	City	May 7	5 ft. offset from N. L. Market St.
Cardinal O'Connell Parkway	E. S. N. S. Alley bet. Market St. and Mer'k St.	Prop.	July 7	Lowered to grade.
Chatham	S. S. 450 ft. W. of Stevens St.	City	May 15	
Chelmsford	S. S. Thorndike St. W. S.	City	May 2	Int. Tang. line.
Chelmsford	S. S. At George Est.	City	May 2	Int. Tang. line.
Chelmsford	S. S. P. T. Curve E. of R. R. Bridge	City	May 2	
East Merrinack	S. S. P. C. opp. Alder St.	City	May 17	Raised old Bd. and marked D. H.
Havilah	N. S. Clark Road E. S.	City	May 12	Replaces Prop. Bd.
Havilah	N. S. 200 ft. E. of Clark Road	City	May 12	
Holyrood Ave.	W. S. Hovey St. S. S.	City	May 11	Lowered to grade.
Holyrood Ave.	W. S. P. C. S. of Oakland Path	City	May 11	Lowered to grade.
Howard	E. S. Westford St. S. S.	City	May 17	
Kitson	N. S. Dutton St. W. S.	City	May 9	

STONE BOUNDS SET FOR THE ENGINEERING DEPT. IN 1917—Continued

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Street	Intersecting Streets	Bound	Date Set	Remarks
Kitson	N. S. Worthen St. E. S.	City	May 9	
Market	S. S. Fenwick St. W. S.	City	May 8	
Market	S. S. 237.25 W. of Fenwick St. at 2nd angle	City	May 7	
Market	S. S. 41 ft. W. of last named Bd., 3rd angle	City	May 7	On 3 ft. offset in street.
Market	S. S. P. C. 14.31 ft. E. of Adams St.	City	May 9	On 3 ft. offset in street
Nesmith	W. S. P. C. of South of E. Merrimack St.	City	May 14	
Rogers	N. S. angle bet. Hanks and Nesmith Sts.	City	May 10	
Rogers	S. S. P. T. E. of Waverly Avenue	City	May 11	Reset to line.
Sparks	S. S. Riverside St. E. S.	City	May 19	
Sparks	S. S. 616.9 ft. E. of Riverside St.	City	May 18	
Thorndike	W. S. 2 ft. of N. L. Middlesex St.	City	May 29	
Viola	S. S. E. S. at Nos. 92-94	City	May 16	Replaces Prop. Bd.

SUMMARY:

New Bounds Set	25
Old Bounds Reset	6
Total	29

STONE BOUNDS SET FOR THE ENGINEERING DEPT. IN 1918

Street	Intersecting Streets	Bound	Date Set	Remarks
Appleton	S. S. P. C. East of Thorndike St.	City	Apr. 1	On 2 ft. offset in street.
Clare	W. S. S. S. Wannalancit St.	City	Dec. 16	
Homestead Road.	S. S. S. Hildreth St.	City	Nov. 15	Old City bound reset.
Homestead Road.	W. S. At P. C.	Prop.	Nov. 16	Old, reset.
Thorndike	E. S. P. T. S. of Appleton St.	City	Apr. 1	On 2 ft. offset in street.

SUMMARY:

New Bounds	3
Old Bounds	2
Total	5

STONE BOUNDS SET FOR THE ENGINEERING DEPT. IN 1919

Street	Location	Date Set	Remarks
Burt	N. S. P. C. C. to East line Burt St.	October	New City Bound.
Pine	E. S. P. T. C. from North side Pine St.	October	Old City Bound reset.

SUMMARY:

New Bounds	1
Old Bound	1
Total	2

STONE BOUNDS SET FOR THE ENGINEERING DEPT. IN 1920

Street	Location	Date Set	Remarks
Stevens	W. S. N. S. Westminster St.	May	New City Bound.
Newbury	N. S. P. C. to Newbury St.	May	New City Bound.
Westminster	E. S. P. T. from Westminster St.	August	Old Bound reset.

SUMMARY:

New Bounds	2
Old Bound	1
Total	3

STONE BOUNDS SET FOR THE ENGINEERING DEPT. IN 1921

Street	Location	Date Set	Remarks
Lawrence	At point W. of Bridge St. S. S. Street	March	New City Bound.
Lawrence	S. S. at P. C. C. 59.27 ft. Westerly of above	March	New City Bound.
Lawrence	S. S. at P. C. C. near Moore St. 115.39 ft. W. of above	March	New City Bound.
Lawrence	N. S. P. C. C. at Store nearly opposite E. L. Moore St.	March	New City Bound.
Anderson	S. S. at Angle W. of Stromquist Ave.	June	Old, should be replaced with new City Bound.

STONE BOUNDS SET, 1922

Street	Location
S. S. Pine	E. S. Stevens St. P. C. to Stevens.
S. S. Pine	W. S. Stevens St. P. C. to Stevens.
E. S. Stevens	S. S. Pine St. P. T. from Pine St.
W. S. Stevens ..	S. S. Pine St. P. T. from Pine St.
N. S. Pawtucket..	E. S. grade crossing P. T. (Old raised.)
S. S. Pawtucket..	E. S. grade crossing P. T. (Old raised.)

STONE BOUNDS SET, 1923

Street	Location
Westford	S. S. at angle W. of Florence Ave. (Lowered.)
Butman Road . . .	E. S. at S. L. Burke & Kenney (Lowered.)
Butman Road . . .	E. S. angle at Kenney's (Lowered.)
Butman Road . .	E. S. S. L. Eastview St. (Lowered.)
Butman Road . . .	E. S. S. L. Frothingham St. (Reset on new E. L.)
Butman Road . . .	E. S. at angle S. of Frothingham St. (Reset on new E. L.)
Butman Road . . .	E. S. at N. L. Noyes Property (Reset on new E. L.)
Butman Road . . .	E. S. at N. L. Reynolds Property. (Reset on new E. L.)
Butman Road . . .	E. S. at angle N. of Eastview St. (Reset on new E. L.)
Butman Road . . .	E. S. N. L. Eastview St. (Reset on new E. L.)
Butman Road . .	E. S. S. L. Eastview St. (Reset on new E. L.)
Butman Road . . .	E. S. at angle S. of Eastview St. (Reset on new E. L.)
Holyrood Ave. . .	E. S. S. L. Gardner property acct. of removal by Sewer Department, reset on Street line.
Broadway	N. S. prop. Bd. E. of Dummer St. Removed from 7 ft. offset line to 4 ft. offset line.
Broadway	N. S. W. L. Worthen St. removed from 7 ft. offset line to 4 ft. offset line.
Clark Road	W. S. P. C. Bound at Lombard's (Lowered.)
Fletcher	Angle with 8 ft. offset line Adams St. replaced with d. h. in granite paving.
Fletcher	W. S. Angle in Cushing St. replaced with d. h. in granite paving.
Adams	E. S. on 8 ft. offset line, N. L. Suffolk St. replaced with d. h. in granite paving.

STONE BOUNDS SET, 1924

Street	Location
Fletcher	E. S. P. C. to N. L. Broadway.
Broadway	N. S. P. C. to E. L. Fletcher St.
Rogers	N. S. Int. new line Oakland's Fire House.
Fairmount	S. S. Int. new line Oakland's Fire House.
Rogers	N. S. angle at Oakland's Fire House (Reset.)
Aiken	W. S. Int. new line at Hall St.
Hall	S. S. Int. new line at Aiken St.
Princeton Blvd.	E. S. Colubia St. (Raised.)
Princeton Blvd.	E. S. Cornell St. (Raised.)
Princeton Blvd.	W. S. Hadley St. (Raised.)

STONE BOUNDS SET, 1925

Street	Location	Date Set
Corbett	N. L., W. L. Stromquist Avenue	April 18
Crawford	S. L., W. L. Fifth Avenue	May 14
Crawford	S. L., E. L. Sixth Avenue	May 13
Ruth	E. L., Angle N. of Wedge St.	April 15
Ruth	E. L., end of old acceptance. (Raised.)	April 13
Ruth	E. L., P. C. curve to S. L. Parker St.	April 16
Parker	S. L., P. C. curve to E. L. Ruth St.	April 16
Parker	N. L., W. L. Hawthorn St.	April 17
Florence Road .	S. L., P. C. curve to W. L. Gibson Road	April 30
Florence Road .	S. L., P. C. curve to W. L. Florence Road	April 27
Gibson Road	W. L., P. C. curve to S. L. Florence Road	April 14
Gibson Road	W. L., P. C. curve to N. L. Florence Road	April 23
Florence Road ..	W. L., P. C. curve to W. L. Florence Road	April 29
Gibson Road	E. L., S. L. Pine St.	May 5
Gibson Road	W. L., S. L. Pine St.	May 5
Bunker Hill	E. L., S. L. West Sixth St.	May 12
Bunker Hill	E. L., N. L. Lakeview Avenue	May 11
Carolyn	E. L., S. L. Ennell St.	May 13
Carolyn	E. L., N. L. Ferry Lane	May 12
Eastview	N. L., W. L. Luce St.	May 25
Hazel	E. L., N. L. Rogers St.	May 23
Sparks	S. L., at end accepted portion No. 36 (Lowered)	May 22
Butman Road ...	E. L., at division line Kenney-Dillon, account widening.	May 26
White	W. L., at angle N. of Dracut St. (raised)	March 31
Lura	E. L., P. C. curve to S. L. Parker St.	April 2

STONE BOUNDS SET, 1925

Street	Location	Date Set
Parker	S. L., P. C. curve to E. L. Lura St.	April 2
Gorham	W. L., Angle of S. of Ellsworth St. (lowered)	April 1
Sycamore	W. L., N. L. Fairmount St.	April 3
Sycamore	W. L., S. L. Wentworth Avenue	April 6
Birch	E. L., S. L. Wentworth Avenue	April 6
Birch	E. L., N. L. Fairmount St.	April 7
Birch	E. L., Angle at S. L. School lot	April 7
Andover	S. L., P. C. curve to W. L. Arbor Road	April 8
Arbor Road	W. L., P. C. curve to S. L. Andover St.	April 9
Arbor Road	W. L., P. C. curve to S. L. Frothingham St.	April 9
Rogers	S. L., angle near W. L. Berkeley Ave. (lowered)	April 3
Remington	W. L., N. L. Havilah St.	April 13
Harland Ave.	E. L., S. L. Florence St.	April 10
Parker Road	N. L., E. L. Florence Road	April 22
Parker Road	S. L., E. L. Florence Road	May 2
Parker Road	N. L., W. L. Gibson Road	May 1
Florence Road	W. L., Angle opp. N. L. Parker Road	April 21
Florence Road	W. L., Angle opp. S. L. Parker Road	April 25
Florence Road	E. L., end accepted portion S. of Parker Rd.	April 23
Florence Road	W. L., P. C. curve to N. L. Florence Road	April 21
Parker Road	N. L., W. L. Parker St.	May 4
Parker Road	S. L., W. L. Parker St.	April 24
Blodgett	W. L., N. L. Forest St.	May 6
Blodgett	W. L., N. L. Emery St.	May 6
Gertrude Ave.	W. L., S. L. Princeton Boulevard	May 16
Gertrude Ave.	W. L., N. L. Westford St.	May 18

STONE BOUNDS SET, 1925 — Continued

Street	Location	Date Set
Lang	E. L., N. L. Emery St. (reset on correct line)	May 6
Sayles	W. L., S. L. Middlesex St.	May 15
Sayles	W. L., N. L. Princeton Boulevard	May 15
Stevens	E. S., P. C. curve to S. L. Midland St.	May 7
Midland	S. L., P. C. curve to E. L. Stevens St.	May 7
Parker	N. L., Angle at Bradstreet Avenue, reset on 3 ft. offset.	May 8
Butman Road ...	W. L., P. C. curve to N. L. Hovey St.	May 19
Hovey	N. L., P. C. curve to W. L. Butman Road	May 21
Parker	N. L., P. C. curve in Pliny St. (lowered)	May 11
Parker	N. L., P. C. curve E. of Milton St. (reset)	May 9
Butman Road ...	E. L., N. L. Hovey St. (account widening)	May 20
Butman Road ...	E. L., Angle N. of Hovey St. (account widening)	May 20
Butman Road ...	E. L., at line Dillon-Cawley (account widening)	May 20
Butman Road ...	E. L. Angle opposite Goward's (account widening)	May 26
Belle Ave.	E. L., S. L. Stevens St. (lowered)	May 12
Total		66

STONE BOUNDS SET, 1927

Street	Location	Date Set
Adam Terrace	E. S., 621.11 feet S. of Andover St.	Nov. 21
Aiken Ave.	S. S., E. S. Dalton St.	Dec. 7
Anderson	S. S., W. S. Stromquist Avenue	Nov. 15
Anderson	S. S., at angle	Nov. 15
Bourne	E. S., S. S. Otis St.	Dec. 3
Bradstreet Ave.	S. S., at beginning of curve to Parker St.	Dec. 1
Carolyn	E. S., N. S. Boisvert St.	Dec. 6
Chatham	S. S., at end of accepted part	Nov. 6
Chauncey	E. S., at beginning of curve to D St.	May 24
Chelmsford	E. S., N. S. Wellman St.	Oct. 31
Crescent	S. S., W. S. Chelmsford St.	Nov. 3
D	S. S., at end of curve from Chauncey St.	May 31
Delard	N. S., W. S. West Sixth St.	Nov. 10
Greenfield	E. S., N. S. Fairlawn St.	Nov. 29
Hawthorn	W. S., N. S. Parker St. 1 at beginning and 1 at end of curve.	Oct. 22
Highland Ave.	W. S., N. S. Parker St., 1 at beginning and 1 at end of curve.	Oct. 26
Hovey	N. S., W. S. Luce St.	Nov. 19
July	W. S., S. S. Thirteenth St.	Dec. 9
Linwood	W. S., S. S. Midland St.	Nov. 1
Linwood	W. S., N. S. Forest St.	Nov. 1
Mort Ave.	N. S., E. S. Methuen St.	Dec. 1
Mort Ave.	N. S., W. S. Beacon St.	Dec. 1
Oakland	W. S., N. S. Parker St., 1 at beginning and 1 at end of curve.	Oct. 21
Parker	N. S., E. S. Puffer St.	Nov. 17
Parker	N. S., W. S. Puffer St.	Nov. 17

STONE BOUNDS SET, 1927 — Continued

Street	Location	Date Set
Parker	S. S., at Wedge St. (lowered)	Oct. 31
Pawtucket	N. S., opposite Tucker St.	Nov. 9
Pawtucket	S. S., beginning curve at Aiken St.	Nov. 8
Pawtucket	S. S. at junction Perkins St., 1 beginning and 1 at end of curve.	Nov. 8 and 10
Puffer	E. S., N. S. Winthrop Avenue	Nov. 4
Puffer	E. S., S. S. Winthrop Avenue	Nov. 4
Puffer	E. S., S. S. Bradstreet Avenue	Dec. 1
Seneca	N. S., at end accepted part.	Nov. 14
Stevens	E. S., N. S. Jenness St., 1 at beginning and 1 at end of curve.	Oct. 27
Stevens	E. S., S. S. Jenness St., 1 at beginning and 1 at end of curve.	Oct. 27
Stevens	W. S., S. S. Preston St.	Nov. 22
Usher	E. S., S. S. Norcross St.	Nov. 28
Usher	E. S., N. S. Upham St.	Nov. 28
Viola	S. S., E. S. Stevens St.	Oct. 28
Walden	S. S., W. S. Oakland St.	Nov. 27
Wellman	N. S., at end of accepted part.	Oct. 31
Westford	N. S., E. S. Pine St., 1 at beginning and 1 at end of curve.	Nov. 2
Westford	N. S., at angle east of Baldwin St.	Nov. 11
Wellesley Ave.	E. S., S. S. Preston St.	Nov. 25
Wellesley Ave.	E. S., N. S. Chelmsford St.	Nov. 26
Wellesley Ave.	E. S., S. S. West Albert St.	Nov. 22
West Sixth	W. S., N. S. Boisvert St.	Dec. 6
White	W. S., S. S. Emery Avenue	Dec. 2
West Forest	N. S., E. S. Twiss St.	Nov. 6

Total 56

PAVEMENT STATISTICS ON STREETS AND BRIDGES

JANUARY 1, 1928.

Kind	Sq. Yds. Jan. 1, 1927	Sq. Yds. Laid in 1927	Total Sq. Yds. to Date.	Miles to Jan. 1, 1927	Miles Laid in 1927	Total Miles to Date
Asphalt	32,209.67		32,209.67	1.1530		1.1530
Asphaltina	4,482.19	-4,482.19		0.2482	-0.2482	
Bitulithic	12,339.53	-10,048.66	2,290.87	0.6504	-0.3706	0.2798
Brick	898.04	-898.04		0.0404	-0.0404	
Hassam Concrete	16,366.93		16,366.93	0.8292		0.8292
Granite Block Hassam.	311,512.62		311,512.62	13.9516		13.9516
Granite Block Grounted on Sand Base	19,357.79	8,827.88	28,185.67	1.0087	0.4760	1.4847
Granite Block Pitched on Sand or Concrete Base	4,909.18		4,909.18	0.2482		0.2482
Old Granite Block on Sand Base (bet- ween rails)	21,769.37	2,597.50	24,366.87	1.6757	0.5703	2.2460
Old Granite Block on Macadam Base ..	10,210.62		10,210.62	0.6955		0.6955
Old Granite Block Total (Net) Granite Block (includ. bet- ween rails)	74,644.17	-12,121.80	62,522.37	5.2898	-0.6222	4.6676
Tar Concrete	442,403.75	-696.42	441,707.33	22.8695	0.4241	23.2936
	783.80		783.80	0.0547		0.0547

PAVEMENT STATISTICS ON STREETS AND BRIDGES
January 1, 1928 — Continued

Kind	Jan. 1, 1927 Sq. Yds.	Sq. Yds. Laid in 1927	Total Sq. Yds. to Date.	Miles to Jan. 1, 1927	Miles Laid in 1927	Total Miles to Date
Wood Block	462.40		462.40	0.0369		0.0369
Macadam, Plain	468,881.51	—65,221.48	403,660.03	28.2846	—3.6707	24.6139
Macadam, Old Sheet Asphalt with Seal Coat	3,733.00		3,733.00	0.2178		0.2178
Macadam, Asphalt	97,334.02	16,785.65	114,119.67	7.9574	1.3623	9.3197
Macadam, Tar	175,619.60		175,619.60	10.3159		10.3159
Macadam, Old Bitumin- ous with Seal Coat ..	25,283.00		25,283.00	1.6600		1.6600
Total Bituminous Mac- adam	272,953.62	16,785.65	289,739.27	18.2733	1.3623	19.6356
Total Macadam	770,851.13	—48,435.83	722,415.30	48.4357	—2.3084	46.1273
Spanish Pyrites	6,6610.40		6,6610.40	0.5292		0.5292
Reinforced Concrete ..	51,384.02	5,173.91	56,557.93	3.9167	0.3382	4.2549
Amiesite	14,300.54		14,300.54	0.8420		0.8420
Asphaltic Concrete (Topeka Type)	147,820.39	71,773.40	219,593.79	7.8921	4.0737	11.9658
Greco Pavement, Vul- canized Surface		14,406.83	14,406.83		0.5866	0.5866
Total miles paved streets				87.4980		89.9530

COMPARISON OF IMPORTANT STREET AND SEWER CONSTRUCTION FOR A PERIOD OF 11 YRS.

	Sq. Yds. 1917	Sq. Yds. 1918	Sq. Yds. 1919	Sq. Yds. 1920	Sq. Yds. 1921	Sq. Yds. 1922	Sq. Yds. 1923	Sq. Yds. 1924	Sq. Yds. 1925	Sq. Yds. 1926	Sq. Yds. 1927	Sq. Yds. Totals
Grouted Granite Block (All Kinds)	16,896.70	13,678.00	8,327.00	5,838.80	16,610.10	22,932.79	23,026.70	23,764.46	27,809.05	28,413.75	11,425.38	198,722.73
Reinforced Concrete Paving	NONE	NONE	NONE	NONE	NONE	8,032.24	12,672.81	4,861.37	15,040.00	9,044.60	5,173.91	54,824.93
Sheet Asphalt Paving	NONE	NONE	NONE	NONE	NONE	8,745.49	2,180.40	14,378.46	NONE	NONE	1,686.17	26,990.52
Amesite Paving	NONE	NONE	NONE	NONE	NONE	14,300.54	NONE	NONE	NONE	NONE	NONE	14,300.54
Asphaltic Concrete Paving (Topeka Type)	NONE	NONE	NONE	NONE	NONE	9,463.75	29,339.22	33,441.84	40,156.49	35,479.54	71,773.40	219,654.24
Macadam (All Kinds)	57,405.80	8,412.00	27,779.60	31,242.60	32,074.40	48,521.12	33,052.38	38,491.12	12,859.30	19,375.24	16,785.65	325,999.21
Hassam Paving	NONE	NONE	4,555.40	NONE	NONE	NONE	NONE	NONE	NONE	NONE	NONE	4,555.40
Greco Pavement (Vulcanized Pavement)	NONE	NONE	NONE	NONE	NONE	NONE	NONE	NONE	NONE	NONE	14,406.83	14,406.83
Resurfacing, Grading and Graveling	17,528.00	34,497.00	64,135.00	24,237.00	100,116.00	123,772.00	30,373.00	51,761.00	29,294.00	25,591.00	Patching	501,304.00
Patching and Seal Coating	NONE	NONE	NONE	NONE	NONE	193,386.00	54,528.00	54,780.00	10,456.00	1,299.00	21,462.06	335,911.06
Resurfaced, Graded and Oil with Tarvia	NONE	NONE	NONE	NONE	NONE	NONE	20,827.00	NONE	NONE	NONE	NONE	20,827.00

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SURFACE DRAIN AND SANITARY SEWER CONSTRUCTION

Tar Concrete Walks (All Kinds)	14,522.50	6,112.60	1,519.80	3,083.00	9,964.60	12,206.82	14,201.91	23,373.63	15,147.39	9,329.81	11,551.10	121,013.16
Granolithic Walks (All Kinds)	1,093.61	575.01	50.49	1,106.93	1,535.43	4,184.50	2,079.31	2,127.26	559.10	335.11	NONE	13,646.75
Edgestones, New Sidewalks, (Lin. Ft.)	8,110.80	5,510.50	5,187.80	6,355.80	5,067.80	14,549.80	10,701.80	12,760.51	13,158.16	15,009.10	14,839.29	111,251.36

Lineal Feet of Sewer Laid ..	15,028.70	6,310.30	10,871.70	10,587.50	7,380.00	9,618.70	7,468.50	11,533.90	11,527.90	8,999.90	7,183.00	106,510.10
Catch Basins Built	29	12	16	15	11	27	27	54	49	41	49	330

GRAVEL LOTS OWNED BY CITY OF LOWELL.

Street	Grantor	Year	Amount	Lin. Ft. Frontage	Area
BillERICA	Ada M. Hamblett	1908	\$ 400.00		2 Acres, 119 Rods.
Clark Road	Chas. I. Hood and Robert G. Bartlett.	1909	883.50	476 +	128,285 Sq. Ft.
First	Hugh H. Hilton and Rufus S. Lewis, et al	1858	1900.00	500	Portion in Tewksbury. 57,768 Sq. Ft.
Tenth	Milton Fox	1878	5,000.00	301 +	40,260 Sq. Ft., Lowell. 175,985 Sq. Ft., Dracut.
Wightman	Charles E. Cashin.	1896	697.28	30	36,112.5 Sq. Ft.

LEDGE LOTS OWNED BY CITY OF LOWELL.

Bowers and Fletcher. Humphrey and Wil- lard	Town of Dracut	1906	\$3,830.00		123,126 Sq. Ft. 191,531 Sq. Ft.
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CITY STABLE LOT.

Broadway, Fletcher and Lagrange	Tappan Wentworth	1869	\$20,102.34		
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SEWERS BUILT BY CITY OF LOWELL — 1917

Street	From	To	Pipe Size				Sewers Length	Brick Size and Length	Cu. Yds.	Ledge	Average depth	Manholes	Begun	Finis	Cost	Total
			8	10	12	15	18	24								
Appleton	Near Elliott	Near Thorndike..			1335.5				1063	12.0	6	Jan. 9	July 31			1335.5
Alma	Rosemont	East	282.5							9.0	1	Aug. 22	Sept. 20			282.5
Alma	Rosemont	Near Riverside ..	618.5							9.0	2	Sept. 20	Oct. 20			618.5
Broadway	Near Wilder	Rolfe	370.0						50	9.0	1	Apr. 9	May 3			370.0
BillERICA and																
Eugene	Staveley	Near Woburn ..	860.0						31	5.0	3	July 6	Aug. 25			860.0
Bunker Hill Ave.	Lakeview Ave.	West Sixth	623.5							8.0	3	Oct. 22	Nov. 13			623.5
BillERICA and																
Clifton	Bolton	East	779.2	249.5						6.0	4	Aug. 20	Sept. 10			1028.7
BillERICA	Near Warnock	Near Lawrence ..	406.5							4.0	1	Nov. 27	Dec. 12			406.5
Corey	Middlesex	South	137.5							6.0		May 17	May 21			137.5
Chauncey	End of old	Near B	50.0							7.0		May 31	June 1			50.0
Commonwealth																
Avenue	Woburn	East	328.0							7.5	1	Nov. 16	Nov. 27			328.0
Clare	End of old	Bartlett Sch. Lot	40.0	71.0						7.0	1	Aug. 31	Sept. 10			111.0
Circuit Av., No. 1	Woburn	East	218.6							8.0	1	Sept. 11	Sept. 21			218.6
Circuit Av., No. 2	End of old	East	153.0							8.0		Dec. 12	Jan. 4, 1918			153.0
Devine and Pine-view	End of old	Near Bernice	199.3							7.0	1	June	June 23			199.3
Delmont Ave.	Woburn	East	290.0						83	10.0	1	Oct. 16	Nov. 15			290.0
Eugene	Near Spruce	Northerly	228.0							8.5	1	Dec. 1, 1916	Jan. 11, 1917			228.0
Grafton	Woburn	East	376.5							8.5	1	July 31	Aug. 22			376.5

SEWERS BUILT BY CITY OF LOWELL, 1917 — Continued

Street	From	To	Pipe Size					Sewers Length				Brick Size and Length	Cu. Yds. Ledge	Manholes	Begun	Finis	Cost	Total			
			8	10	12	15	18	20	24												
Hadley	Middlesex	Near Boulevard..	476	8								6.0	1	Apr. 22	May 3			476	8		
Hugh	Ferry Lane	Bunker Hill Ave	130	5								13	8.5	Nov. 3	Dec. 3			130	5		
Hildreth and Homestead	Richardson	End of Homes- tead Road	260	0									10	0	1	Dec. 3	Unfnis		260	0	
Lowell General Hospital	Hospital Grounds		541	2									7	0	2	Sept. 21	Oct. 5		541	2	
Orchard	Woodward Ave.	Near Varnum Av.	362	0									7.5	1	Oct. 6	Dec. 4			362	0	
Princeton	Foster	Near Livingston Avenue	302	7									7	0	2	June 15	July 6		302	7	
Pine	Westford	East			200	0							7.5		Dec. 5	Unfnis			200	0	
Quebec	Manchester	No. 126 Quebec..	238	0									9	0	2	July 30	Aug. 15		238	0	
Riverby	Lakeview Ave	West	196	0									6.5	2	Aug. 15	Aug. 22			196	0	
Stevens and Chatham	End of old	No. 36 Chatham..	368	3	40	0							7	0	2	July 5	July 28		408	3	
Seventh Ave.	Mammoth Road..	East	256	0									7	0	1	July 6	July 26		256	0	
Sanders Ave.	Near Pembroke..	Near Pine	193	0									9	0	May 22	June 5			193	0	
Suttle	Gorham	West	276	7								26	6	0	June 6				276	7	
School	Old	Near Bridge	49	5									6	0	1	Aug. 24	Aug. 30		49	5	
Varnum Ave.	Near Lexington..												4	0	Apr. 30	May			57	0	
Webber and Princeton	Blackbrook	Holden			1393	2															
Wyman	Near Nesmith	Near Fairmount..	324	5																	
Worthen	Pawtucket Canal Old—	Kitson St....			170	0															

SEWERS BUILT BY CITY OF LOWELL, 1917 -- Continued

Street	From	To	Pipe Size	— and—	Sewers Length	Brick Size and Length	Cu. Yds.	Ledge	Avg'e depth	Manholes	Begun	Finis	Cost	Total
West Forest	Clifford	Twiss	115.0						10.7	10.7	June 23	July 2		115 0
Walker St. outlet				12 G. I. pipe							Sept. 21	Sept. 24		12 0
West Sixth	End of old	Bunker Hill Ave	287.5						8.5	2	July 27	Aug. 14		287.5
Woburn	Eugene	Near R. R.	101.0					127	8.0	2	Dec. 4,	Feb. 24		101 0
											1916	1917		
Woburn	Crystal Ave.	Town Line	1010 7						10.0	5	May 10,	Oct. 16.		1010 7
											1916	1917		
														15028 70
			1010 5	9449 3	3118 7	1393 2	57 0	1393						

Lineal feet of Sewers laid in 1917.....15028.7 or 2.84 Miles

Sewers laid previously119.52 Miles

Length of Sewers January 1st, 19181222.36 Miles

SEWERS BUILT BY CITY OF LOWELL — 1918

Street	From	To	Pipe Size					Sewers Length			Brick		Cu. Yds. Ledge	Average depth	Manholes	Begun	Finis	Cost	Total
			8	10	12	15	—and—	13	20	24	Size	Length							
Carmine	Woburn	East		228 0										5 0	1	July 2	July 9	\$ 561.39	228 0
Concord—Unfnis..	Rogers	East			240 2									8.0	1	Oct. 29	Nov. 13	1,157.43	240.2
Courtland Street	West Fifth Ave.	North and East..		90.5										8 2	2	Aug. 3	Aug. 21		289 1
and Adams Av			198 6															1,020.58	
Easton	Bolton	Woburn	40 0	186 0										6.5	1	Jan. 5	Jan. 24	836.07	226.0
Gorham	Near Suttle	South to No. 1475			81.7									7.5		Sept. 16	Sept. 20	362.47	81.7
Hadley	Opp. No. 47	South to No. 53	80 6											3 5		Nov. 14	Nov. 16	153 20	80 6
High Street and	Junction High and		186 2											9 7	1	Aug. 22	Sept. 6	1,057.60	186 2
Park Ave, West.	Park Ave., West	Alton																	
Hildeth St. and	Richardson	End of Homes-		248 9										9.3	3	Dec. 3,	Feb. 27	1,709.88	248 9
Homestead Rd .		stead Road														1917	1918	1,302 20	
Huntoon Avenue.	Lawrence	South	96 4										15	7.0		June 13	July 2	867.27	96 4
Mansur	Near Wentworth	Avenue—North ..		40 0										3 0		May 28	May 29	61 68	40 0
Mission Place	Lawrence	Near Morton	208 0										90	5 5	1	May 15	June 12	1,462.97	208 0
Pine	Westford	Opp. No. 469		528.4										8 0	2	Dec. 5,	Mar. 12	5,262.97	528 4
																1917	1918		
Pleasant	Rogers	Alton		747 2										8 0	3	Sept. 6	Oct. 29	2,836.18	747.2
Richards St. and	Beacon	Christian	217.0	446 0	467 6									8 0	1	Dec. 9	Unfnis	5,061 11	465 0
Christian	Unfnis Christian.	North																	
Stackpole	Rebuilt near Brow	near Livermore..		243.0										12 0	2	Apr. 8	May 13	2,176 66	243 0
Staveley	Billerica	East		373.5										6 0	2	July 10	Aug. 1	1,498 13	373 5
Tilden—rebuilt	Near Bradford ..	North												17.0		Sept. 23	Dec. 11	3,585.55	107 4

SEWERS BUILT BY CITY OF LOWELL, 1918 — Continued

[illegible]

Lineal feet of Sewers laid in 1918	6310.3 ft. or 1.20 Miles
Sewers laid previously	122.36 Miles

Sewers laid previously122.36 Miles

123.56 Miles

Deduct 350 4 ft rebuilt or07 Miles
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Length of Sewers—January 1st, 1919	123.49 Miles
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Hildreth Street and Homestead Road completed—Total length 508.9 ft.

Pine Street completed — Total length	728.4 ft.
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For Isolation Hospital—3 dry wells built and 125 ft. of 6 in. pipe laid also 400 ft. of open trench 3 ft. deep.

SEWERS BUILT BY CITY OF LOWELL — 1919

Street	From	To	Pipe Size		—and—			Sewers Length		Brick	Ledge	Cu. Yds.	Manholes		Finis	Cost	Total	
			6	8	10	12	15	18	24				Size and Length					
Aberdeen	Methuen	East			244	3						7	0	1	Sept. 25	Oct. 6	770 90	244 3
Albion	Near West Third	Near West Fourth	46	5								5	7	1	June 13	June 17	239 61	46 5
Beacon	End of old	Sanborn			98	5						10	0	1	Aug. 8	Aug. 18	801 06	98 5
Belrose	Waverly	Wellington			540	7						8	5	2	June 17	Aug. 6	3,366 53	540 7
Blodgett	Forrest	North	135	5								9	0		June 9	June 13	830 59	135 5
Burnside, Shawmut and Fairgrove Aves.	Near Middlesex	Near Princeton	315	3			230	2	577	7		8	5	4	Aug. 15	Oct. 11	7,702 59	1123 2
Butman Road	Mansur	East			472	0						8	0	1	Aug. 4	Aug. 29	3,169 48	472 0
Chelmsford	Grand	Near Howard			234	3				34	5	9	5	2	June 14	June 30	2,158 56	268 8
Circuit Avenue	End of old	Chamberlain			133	7						8	5	1	Oct. 30	Nov. 7	618 29	133 7
Court Street—St. Patrick's Cemetery and Spencer St.	End of old near Boston Road	In Spencer			172	0						12	0	9	Feb. 10	May 27	17 01	
Gorham	End old old	Town Line			321	4	48	0			117	9	0	2	Sept. 11	Nov. 21	5,947 55	369 4
Hildreth	End old old	Aiken Ave.			265	5						9	0	1	Dec. 1	Jan. 6, 1920	1,967 85	265 5
Hoyt Ave., relaid	Near Wellington	Knapp Ave.					148	0				7	5	1	Aug. 6	Aug. 13	626 67	148 0
Isolation Hospital	Varnum Ave.	Hospital Bldgs	596	0			1761	0			69	10	5	6	Feb. 10	Aug. 2	4,468 44	2357 0
John Ave.	Near John	Near Kirk			126	8					50	12	0	1	July 24	Sept. 25	4,822 93	126 8
Llewellyn, relaid	First	New Boulevard	.72	ft. 12 in. G. I. pipe							4	0			Oct. 30	Nov. 10	173 50	72 0

SEWERS BUILT BY CITY OF LOWELL, 1919 — Continued

[illegible]

SURFACE DRAINS

White	Second Ave.	Third Ave.	277.0	7.0	2	July 10	July 23	1,686	96	277.0
Christian	East Sixth	53 ft. G. I. pipe				Nov. 14	Nov. 14			53 0
Billerica	Acton	East	65.0			Dec. 1	Dec. 3	158	15	65.0
										10871 70

SEWERS BUILT BY CITY OF LOWELL, 1919 — Continued

Lineal feet of Sewers laid in 1919	10871.70 ft. or	2.00 Miles
Sewers laid previously		123.49 Miles
		<hr/>
		125.49 Miles

Deduct 220 ft. rebuilt (Hoyt Avenue)
 Deduct 39 ft. discontinued (Middlesex Park)
 Deduct 72 ft. rebuilt (Llewellyn Street)

Deduct 331 ft. or06 Miles
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Length of Sewers — January 1st, 1920	125.43 Miles
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Varnum Avenue completed total length 1919.20 ft.

SEWERS BUILT BY CITY OF LOWELL — 1920

Street	From	To	Pipe Size	— and—	Sewers Length	Brick Size and Length	Cu. Yds. Ledge	Avg. depth Manholes	Begun	Finis	Cost	Total
Alma	End of old	Near Riverside	140 2					8 0	Sept. 3	Sept. 17		140 2
Baldwin	Middlesex	Near Westford			1699.3			8 0	6 July	Oct. 11		1699 3
Beacon	End of old	North		100.0				5 0	Nov. 22	Nov. 27		100 0
Berkeley Ave.	Rogers	South	251.3	300 6				10.5	2 Sept. 23	Nov. 24		551 9
Bridge	Near Third	Central Bridge	35.0					8 0	1 Sept. 20	Sept. 24		35.0
Broadway and Merrimack River	Pawtucket			536 0	232 0							
Pawtucket	Pawtucket	East — West	136 0									
Burnaby	Orleans	West	450.0									
Butman Road	End of old	South		150.0				7.5	Nov. 24	Nov. 30		150 0
Dumerle and	End of old	Pine		106.0								
Pine	East in Pine											
Easton and Clifton		Denton		432.0				9 0	1 Nov. 29	Unfinished		106.0
Denton	North in Denton							9.5	1 Dec. 1	Unfinished		432 0
Eugene	Near Billerica	East	21.0					3 0	July 17	July 19		21 0
	Main Sewer											
Haines Avenue	Fairmount	West to No. 30	231.0					8 0	1 Jan. 16	Apr. 14		231.0
Hazel	Wentworth	Near Rogers	350.7					6 5	2 July 27	Aug. 20		350 7
Hildreth	Lilley Avenue	North	198.7					7.5	1 Dec. 6	Dec. 29		198 7
Joffre	Middlesex	South	447.0					4 5	1 Aug. 2	Aug. 11		447 0
Main	Canada	North		174.0				7.5	1 Aug. 1	Aug. 25		174 0
Moody	Seventh Avenue	East and West	105 0					6 0	Sept. 17	Sept. 22		105 0
Mt. Hope	End of old N. to	Near Riverside	108 0					5 0	1 Apr. 15	Apr. 27		108 0

SEWERS BUILT BY CITY OF LOWELL, 1920 — Continued

Street	From	To	Pipe Size				Sewers Length			Brick Size and Length	Cu. Yds. Ledge	Average depth	Manholes	Begun	Finis	Cost	Total
			6	8	10	12	15	18	20								
Mt. Pleasant and Tenth	Fox			557.2												
Grandview			230.5										12 5 3	Apr. 5	July 2	787 7
Newhall	Livingston		118 0										6 0	Aug. 21	Sept. 2	118 0
Princeton	Baldwin		406 8	237.7									7 0 2	Oct. 13	Nov. 13	644 5
Sayles	Middlesex			1089 6									7 0 3	Mar. 29	July 6	1089.6
Shawmut and Fairgrove	Cascade		307.0		228 0								9.5			
Cascade	Shawmut Avenue Princeton												6 0 2	Sept. 27	Oct. 27	535 0
Shawmut and Cascade	Arcadia		229 6										2 0			
Arcadia	Shawmut Avenue Near Princeton		302.5										6 0 2	Oct. 29	Nov. 20	532 1
Stevens	Pine												Dec. 3	Unfinished		
Stewart	Princeton		292.3										8 0 1	Nov. 13	Nov. 28	292 3
Westford	Staples		100 0										4.5	Nov. 16	Nov. 28	100 0
Woburn	Lawrence		96 5										5.0	July 19	July 27	96 5
			136 0	4421.1	3509 1	634 0	1699 3		188 9								10587 5

Lineal feet of Sewers laid in 1920.....10587.5 ft. or 2 00 Miles
 Sewers laid previously125 43 Miles

Length of Sewers — January 1st, 1921127.43 Miles

SEWERS BUILT BY CITY OF LOWELL — 1921

Street	From	To	Pipe Size	— and—				Sewers Length	Brick Size and Length	Cu. Yds.	Average depth	Manholes	Begun	Finis	Cost	Total
				6	8	10	12	15	20							
Belrose and Wellington	End Belrose	Near Park Ave. East	257.0								7.0	1	Jan. 28	Feb. 8		257 0
Chelmsford	Cambridge	Near Temple		50 0				88.5			11.0	Dec. 19	Unfinished			50 4
City Avenue	Angle	West									14.0	3	Sept. 26	Oct. 25		88 5
Conduit	Emery Avenue	Near Riverside	729.5								9.5	3	May 12	July 19		729 5
Congress	Thorndike	North				243.7					15.0	2	Aug. 22	Oct. 22		243 7
DuMerle and Pine	End of old	South		66 0							9.0	Nov. 29 1920	Feb. 18 1921			66 0
Dartmouth	Princeton	South	138.5			114 5					7.5	July 18	July 23			138 5
Easton and Denton	Clifton	Denton and N. ..									8 0	1	Nov. 29 1920	Jan. 27 1921		114.5
Florence Road ..	Gibson Road ...	West and South ..	312.0	402 0							Boulders	9.5	1	May 17	July 16	714 0
Fort Hill Ave. ..	End of old	Near Rogers ...	204 0								8 0	1	July 20	Aug. 3		204 0
French	Bridge	Anne				157.0					774	15.0	5	Feb. 18	Unfinished	1059.3
Gibson Road	Pine	South	388.0	399.3				160.5			Boulders	9.5	5	Mar. 8	May 19	947 8
Hawthorne	End of old	South		250.0							8 0	1	Nov. 4	Dec. 16		250 0
James	End of old	Moody	100 0								9.0	Oct. 13	Oct. 25			100 0
Jordan	Riverside	North		284.7							8.0	1	Aug. 3	Aug. 22		284 7
Maitland Avenue ..	Chelmsford	East	243.5								10.0	2	Mar. 28	Apr. 20		243.5
Monadnock	Princeton	South	250 0								7.0	1	Oct. 21	Nov. 4		250 0
Mort Avenue	Methuen	Near Beacon		377 0							7.0	2	Oct. 24	Nov. 21		377.0
Olive	Gorham	B & M R R				487.5					8.0	2	Apr. 15	May 12		487 5
Pine	West View	Wedge Road		100.0							11.0	Dec. 16	Unfinished			100 0

SEWERS BUILT BY CITY OF LOWEEL, 1921 — Continued

Street	From	To	Pipe Size				Sewers Length	Brick Size and Length	Cu. Yds. Ledge	Avg depth	Manholes	Begun	Finis	Cost	Total
			6	8	10	12	15	20							
Ready's Ave.	Walker	West			187.0					9.0	1	Sept. 19	Sept. 29		187 0
Standish	End of old	King Philip			185.5				5	7.5		Feb. 8	Feb. 21		185 5
Stevens	Pine	North					115.0			11.0		Dec. 13 1920	Feb. 24 1921		115 0
Westchester	Stevens	West					187.0			12.5		July 25	Sept. 1		187 0
															7380 0

Lineal feet of Sewers laid 1921.....7380.0 ft or 1 40 Miles
 Sewers laid previously127 51 Miles

Length of sewers — January 1st, 1922128 91 Miles

SEWERS BUILT BY CITY OF LOWELL — 1922

Street	From	To	Pipe Size	—and—				Sewers Length	Brick Size and Length	Cu. Yds. Ledge	Ave depth	Manholes	Begun	Finis	Cost	Total
				6	8	10	12	15	20							
Atlantic	.....Wedge	.....South	100.0								6.0	July 22	July 27	July 27	\$ 363.87	100.0
Baldwin-Westford	End of old	.....Near Staples				625.3		504.3			8.0	May 16	Oct. 13	Oct. 13	14,587.47	1129.6
Butman Road	End of old	.....South	101.0								9.0	Dec. 6	Dec. 23	Dec. 23	946.56	101.0
Chelmsford	.....Finis Cambridge	Near Temple				551.5					11.0	3 Dec. 19	May 26	May 26	9,459.10	551.5
												1921				
Clark Road	.....Havilah	.....East	140.0								6.0	June 30	July 11	July 11	585.92	140.0
Columbia	.....End of old	.....South	144.5								3.0	July 31	Aug. 2	Aug. 2	251.99	144.5
Concord	.....Rogers	.....Alton					550.2				8.0	2 May 9	June 7	June 7	2,359.81	550.2
Dalton	.....Farmland	.....Orleans				495.3					7.0	2 July 20	Aug. 15	Aug. 15	2,521.33	495.3
Eleventh	.....End of old	.....Near Aberdeen	52.0								7.0	July 13	July 19	July 19	240.63	52.0
French	.....Finis Bridge	.....Anne					50.0				15.0	Feb. 18	Mar. 22	Mar. 22		50.0
												1921				
French—Anne	.....Kirk	.....West and South.	189.0			53.0		196.0			7.5	1 Oct. 2	Nov. 17	Nov. 17		438.0
(surface drain)																
Franklin Court	.....Brooks	.....Near Franklin				187.0					8.0	2 Aug. 15	Sept. 27	Sept. 27	3,281.75	187.0
Harland Avenue	End of old	.....North	146.0								5.0	Nov. 17	Nov. 24	Nov. 24	382.95	146.0
Hawthorne	.....End of old	.....Parker				143.5					7.0	1 Sept. 21	Oct. 4	Oct. 4	767.49	143.5
Havilah	.....End of old	.....East					200.0				15.0	Dec. 6	Dec. 23	Dec. 23	959.49	200.0
King	.....End of old	.....Middlesex					93.3				15.0	1 Oct. 16	Nov. 9	Nov. 9	2,007.26	93.3
Lafayette	.....Rosemont	.....East	409.8								8.0	1 Dec. 5	Dec. 23	Dec. 23	1,808.83	409.8
Lakeview Ave.	.....Relaid Fulton	.....Broughton						40.5			16.0	1 Apr. 3	Apr. 27	Apr. 27		40.5
Llewellyn	.....Tenth	.....South				246.8					8.5	2 Sept. 1	Sept. 20	Sept. 20	1,392.12	246.8
Maryland Ave.	End of old	.....Near Roylston	208.0								8.0	1 July 5	July 30	July 30	980.02	208.0

SEWERS BUILT BY CITY OF LOWELL, 1922 — Continued

Street	From	To	Pipe Size			—and—			Sewers Length	Brick Size and Length	Cu. Yds. Ledge	Manholes	Begun	Finis	Cost	Total
			6	8	10	12	15	18									20
Middlesex	Relaid Burnside ..	Pawtucket		214.0	238.5							6.0	1 May 22	June 22	1,647.99	452.5
	(surface drain)															
Park	East Merrimack..	Chestnut		179.5								9.0	June 7	June 29	1,039.66	179.5
Parker	Crescent	West							251.7			12.5	1 Sept. 20	Oct. 20	2,577.06	251.7
Parker Road	Gibson Road	Near Wedge		737.5	261.5							9.0	5 Oct. 20	Jan. 13 1923	7,467.90	999.0
Parker Street and Ruth Street																
Pine — Finis.....	West View	Wedge Road		93.0								11.0	1 Dec. 16 1921	Mar. 15 1922	1,849.30	93.0
Preston—Welles.																
ley	Stevens	W. Albert		453.8								3.0	June 26	July 15	567.27	453.8
Ray Court	Lakeview Ave. ..	S. Westerly		184.2								7.5	1 Apr. 11	Apr. 22	899.29	184.2
Rosemont and Lafayette	End of old	Riverside			646.0				70.0			7.5	3 Sept. 28	Nov. 25	4,839.74	716.0
Upham	End of old	West		49.5								5.5	June 23	June 27	160.73	49.5
Ursula	Varnum Ave. ..	West			394.5							8.0	2 Aug. 2	Sept. 1	2,379.02	394.5
Viola	End of old	Stevens			326.5							8.0	1 Dec. 6 1922	Jan. 4 1923	1,506.28	326.5
Wachusett	End of old	North			49.5							9.5	Aug. 21	Aug. 31	379.13	49.5
Wentworth Ave. Relaid and 1 new Settling Basin ..					42.0								Apr. 17	May 15		42.0
3308 8 4027.4 1220 0 740 8 321 7 9618 7																

SEWERS BUILT BY CITY OF LOWELL, 1922 — Continued

Lineal feet of Sewers laid 1922	9618 70 ft. or 1 82 Miles
Sewers laid previously	128 90 Miles
	<hr/>
	130 72 Miles

Wentworth Avenue	42 0
Lakeview Avenue	40 5
Middlesex Street	452 5—Surface Drain

535 0

—Deduct 535 0 ft. relaid or 0 10 Miles

Length of Sewers — January 1st, 1923130 62 Miles

Chelmsford Street—Finished—Total length 601 5 ft

Pine Street—Finished—Total length 193 0 ft.

French Street—Finished—Total length 1109 3 ft

One new Settling Basin — Wentworth Avenue — 4 ft. x 8 ft. x 6 ft

SEWERS BUILT BY CITY OF LOWELL — 1923

Street	From	To	Pipe Size	— and—	Sewers Length	Brick	Cu. Yds.	Average depth	Manholes	Begun	Finis	Cost	Total
			6	8	10	12	15	20	24	Size and Length			
Aiken Avenue	Relaid				9 0								
Alma	End of old	East	148.0							Dec. 3	Dec. 8	\$ 133.33	9.0
Bradstreet Ave.	Parker	Finny		412.5						June 11	June 14	338 83	148.0
Cambridge	Relaid—Tanner	West		12.0						Oct. 1	Oct. 29	1,571.60	412.5
Conduit and										Apr. 6	Apr. 14		12.0
Beaudry	Beaver Brook	Near Lakeview Av	ft-16 in-C I P		466.0		102.5			May 25	June 12	1,687.95	577.5
Ellis Ave. and			C I P		C I P								
Genest Ave.	Mammoth Road	West and South	173.0	361.5									
Frothingham and	Unfinis—Draper	Douglas Road		597.0						July 23	Sept. 9	3,672.73	534.5
Arbor Road										Sept. 10	Unfinis	7,731 51	597.0
Gertrude Avenue	Princeton	Near Westford	163.0	487.0						Nov. 26	Dec. 11	789 30	163 0
Ivanhoe	Conduit	North	247.3							May 23	June 29	2,831 90	487.0
Kinsman	Relaid	Near Crosby								May 9	May 24	1,475.41	247.3
Luce and							33.3			June 29	July 21	550.45	33.3
Glenwood	Unfinis—Frothingham—Butman Rd.			310 0						Oct. 29	Unfinis	1,728 12	310.0
Lura	Parker	South		592.3						June 14	July 21	2,198 83	592.3
Marginal	Relaid in rear of Foundry	S-Lowell								Dec. 26	May 14	13,507.12	295 0
Park Ave.—East	End of old—Waverly Ave.—East			240.5						1922	1923		
Payne and										May 1	May 23	1,188 31	240.5
Saunders	Into Pawtucket Canal		20 ft-24 in-C I P							Nov. 2	Nov. 26	1,338 56	104 6
Pine	Princeton	Westford		740.5						May 15	Sept. 18	8,450.85	740 5
Rogers	End of old	Haines Avenue		228.5						Aug. 1	Aug. 21	1,805.91	228.5

SEWERS BUILT BY CITY OF LOWELL, 1923 — Continued

Street	From	To	Pipe Size				Sewers Length	Brick Size and Length	Cu. Yds.	Ledge	Avg'e depth	Manholes	Begun	Finis	Cost	Total
			6	8	10	12	15	18								
Stevens	.....Jenness	.....South			237 0						11 0	1	Aug. 22	Sept. 26	2,275.37	237 0
Seventh Avenue	..End of old	.....East		43 0							6 0		Dec. 3	Dec. 8	193.71	43 0
Westminster	.....Stevens	.....West			367.5						9.5	1	June 27	July 26	1,680.47	367.5
Wilder St. and Avenue	.....Unfnis—Avery	..Wilder Avenue		68 0		670 3					9 0	3	Sept. 19	Unfnis	5,549.87	738 3
Winthrop Ave.	..End of old	.....Pliny				154 8					9.0	1	Sept. 25	Oct. 10	1,172.08	154.8
Wood	.....End of old	.....South		196 0							4.5		May 2	May 8	506.72	196 0
													22			7468 5
															84 0 295	
															173 0 865 3 3353 3 2533 1 135 8	

SEWERS BUILT BY CITY OF LOWELL, 1923 — Continued

CAST IRON PIPE:—

Conduit and Beaudry	9 ft.—16 in.
Ellis Ave. and Genest Ave.	173 ft.— 6 in.
Ellis Ave. and Genest Ave.	361.5 ft. 10 in.
Payne and Saunders	20 ft—24 in.

Total 563 5 ft.

Lineal feet of Sewers laid 1923	7468.5 ft. or 1 41 Miles
Sewers laid previously	130 62 Miles
	<hr/>
	132 03 Miles

DEDUCT RELAID:—

Cambridge Street	12.0 ft.—12 in.
Kinsman Street	33 3 ft.—15 in.
Marginal Sewer between School and Walker Street	295 ft —42 in x28 in
Aiken Street	9 ft.—12 in.

Total 349 3 ft or 0 07 Miles

Total Miles January 1st, 1924 131.96 Miles

SEWERS BUILT BY CITY OF LOWELL — 1924

Street	From	To	Pipe Size	— and—	Sewers Length	Brick Size and Length	Cu. Yds.	Average depth Ledge	Manholes	Begun	Finis	Cost	Total Length
Bellerose Ave.	Wellington	East	6	202.5				8 0	1	June 10	June 24		202 5
Benton	Stevens	West		24 0				9 0		Sept. 9	Sept. 15		24 0
Berkeley	Unfinis—Berkeley Rogers		78 5					9 0	2	Nov. 3	Unfinished		
Berwick				705 5									784 0
Boylston													
Broadstreet Ave.	Pliny	Milton		543.4				7 0	2	Nov. 15	Dec. 10		543 4
Colonial Ave.	Emery Avenue	Riverside			630 0			10 0	6	Sept. 18	Dec. 2		
Waverly				618 0									
Stirling													
Woodstock			153 5					16					1401.5
Commonwealth Avenue	End of old	Lowell		226 0									
Corbett	Stromquist Ave.	North	78 0					8 0	1	July 14	July 30		226 0
E. Meadow Road.	Unfinished—Man-									July 7	July 12		78 0
	moth Road	Shea—North	225 5	521 8			112		3	Aug. 16	Unfinished		747.3
Emery Ave.	Conduit Ave.	Riverside		424 1				7 5	2	May 24	June 12		424 1
Endicott	Sixth Avenue	Seventh Avenue		327 5				8 5	1	May 19	June 11		327.5
Fletcher	End of old	Franklin		42 0			25	6 0		Aug. 18	Sept. 15		42 0
Foster	Relaid near Princeton				13 5					Sept. 12	Sept. 17		13 5
Frothingham	Finis—Draper	Douglas Road		17 0				10 0	1	Sept. 10	Feb. 13		17 0
										1923	1924		
Frothingham	12 ft—12 in C I P			33 0				10 0		Dec. 1	Dec. 12		45 0
Glenwood	Frothingham	East	154 5					8	6 0	Aug. 4	Aug. 16		154 5
Henry Avenue	Osgood Avenue	North		426 4				6 5	2	June 12	June 23		426 4

SEWERS BUILT BY CITY OF LOWELL, 1924 — Continued

Street	From	To	Pipe Size					Sewers Length			Brick Size and Length	Cu. Yds.	Ave depth	Manholes	Begun	Finis	Cost	Total Length
			6	8	10	12	—and— 10 12	15	18	24								
Lamb	E. Meadow Road West .....	.....	288 0												7.0 1 Nov. 10	Dec. 4		288 0
Luce and Glenwood	Finis—Frothing- ham	Butman Road ..			395 2										7.5 10 0 2 Oct. 29	June 9 1924		395.2
McKinley Ave. .	End of old	Royston	75 0												8 5 1 Apr. 30	May 10		75.0
Monahan	Branch	South		176 0											5 7.0 2 June 24	July 15		176 0
Milton	A Street	Bradstreet Ave. .		480 3											6 0 3 Apr. 21	May 19		480 3
Montview	Princeton	Near Westford ..	688 5												160 7.0 2 Apr. 28	Dec. 30		688 5
Nesmith	End of old	Near Rogers	94 0												5 0 Oct. 29	Nov. 3		94 0
North Common .	Common Street .	Comfort Station..	367 0												5.5 Sept. 2	Sept. 11		367.0
Oaklands Main	Unfinished .....	.....													30 0 June 16	Unfinished		200 0
Park Ave.—East.	End of old	East		158 2											9 0 June 25	July 11		158 2
Parker	Unfinis—Piny ...	West							450 0						13 5 Oct. 27	Unfinished		450 0
Parkview Ave. .	End of old	Shepard	281 5												9 0 1 July 30	Aug. 29		281.5
Pentucket Ave .	End of old	Mansur				269 8									9 0 1 July 11	July 31		269 8
Phebe	End of old	North	45 0												8 0 Nov. 12	Nov. 14		45 0
Princeton	Black Brook	Black Brook				28 7									9 5 June 9	June 14		28 7
Raynor	Unfinis—Westford	West	110 0												7 5 Nov. 24	Unfinished		110 0
Rogers	Haines Ave.	West	297 4												7.0 1 July 15	Aug. 4		297.4
Shea — Unfinis.	E. Meadow Road	North													Nov. 26	Unfinished		
Sixth Avenue																		
and Emery	Endicott	White			1056 0										63 6 5 4 Aug. 1	Oct. 25		1056 0
Waverly	Conduit Avenue.	East	168.3												6 0 May 10	May 24		168 3

SEWERS BUILT BY CITY OF LOWELL, 1924 — Continued

Street	From	To	Pipe Size		— —and—			Sewers Length		Brick Size and Length	Cu. Yds.	Ledge	Avg depth	Manholes	Begun	Finis	Cost	Total Length		
			6	8	10	12	15	18	20											
Wedge	.....Highland Ave.	Parker		131 8									7.5	June 25	July 5		131.8		
West Fifth Ave.	End of old	Near Paul		148 0									9.0	June 12	June 24		148.0			
Wilder St. and Avenue	.....Finis—Avery	Wilder Avenue		122 5									7.0	1 Sept. 19 1923	Jan. 29 1924		122.5		
Willie	.....Cushing	.....Wiggin		46 0									7.0	Jan. 4	Jan. 19		46.0	
													2906 5							11533 9

Wilder Street and Avenue—finished—Total length 860 8
 Frothingham Street—finished—Total length 614 0
 Luce and Glenwood Streets—finished—Total length 705 2
 In Berkeley Street—2 Settling Basins built near Brook.

Lineal feet of Sewers laid in 1924 11,533 9 or 2.18 Miles
 Sewers laid previously 131 96 Miles

Total January 1st, 1925 134 14 Miles

SEWERS BUILT BY CITY OF LOWELL — 1925

Street	From	To	Pipe Size	—and—				Sewers Length	Brick 24	Ct. Yds.	Le- ge	Ave depth	Begun	Finis	Cost	Total Length
				6	8	10	12	15	18							
Aberdeen	End of old	Dundee				252.3						7.5	1 May 14	June 3	\$ 1,050	58
Adams Terrace	Andover	South				594.6						8.5	3 June 4	July 11	2,637	28
Belrose Avenue	End of old	Near Knapp Ave.	98.0									7.5	July 7	July 15	431	70
Berkeley	Berkeley															98
Berwick and																
Boylston		Rogers				699.0						324	12 0 7 Nov. 3	Sept. 19	O. K.	699 0.7
Bridge	Bridge	Eleventh											1924			
Clifford and	End of old					18.0	27.5					4.0	1 Sept. 21	Sept. 23	None	45.5
Ostego		Maryland Ave.				411.6						10.5	3 Aug. 19	Oct. 19	3,402	53
Conduit and	Beaudry							320.0								411.6
Vincent		Near Lakeview Av	194.6									9.0	2 July 13	July 29	1,507	16
E. Meadow Rd.	Unfinis — Moody West						636.5					*112	10.0 3 Nov. 17	Unfinished		636.5
													1924			
Emery Avenue	White	South				176.0						5.0	July 6	July 13	453	96
Fairmount	Unfinis—Fairmount — Whitman						350.0					13.0	1 Oct. 27	Unfinished		350.0
Fourth Avenue	Emery Avenue	Faragut	260.0									8.0	1 June 17	July 7	1,224	62
Green	George	West					243.2					10.5	2 Nov. 16	Dec. 15	None	243.2
Greenfield and	Parker					416.2										
Fairlawn		Near Wilder	312.5									8.0	3 Aug. 21	Oct. 20	2,960	14
Havilah and	End of old						190.5									728.7
Remington		Near Andover				315.7						6.0	2 Oct. 21	Nov. 12	1,605	05
Hazel	Near Wentworth Avenue					53.0						7.5	June 11	June 22	None	53.0
Hovey	Holyrood Ave., Dutman Road		119.5									8.5	Oct. 13	Oct. 17	None	119.5

SEWERS BUILT BY CITY OF LOWELL, 1925 — Continued

[illegible]

SEWERS BUILT BY CITY OF LOWELL, 1925 — Continued

Street	From	To	Pipe Size	— and—	10	12	15	18	Sewers Length	24	Size and Length	Brick	Cu. Yds.	Avg depth	Manholes	Begun	Finis	Cost	Total Length	
Newbury	.....		6	8	10	12	15	18											
Wilder — relaid	Westford	.....North			152 5				38 0							1 Oct. 19	Unfinished	None	402 5
Winthrop Ave.	...Pliny	.....Puffer			386 5											9 0 1 June 2	July 2		38 0
																7.5 2 July 27	Aug. 21	1,090 04	386 5	
										2361 6	4294 3	3108 7	808 0	499 8	335 5					

Lineal feet of Sewers laid in 1925..... 11,527.90 ft. or 2.19 Miles
 Sewers laid previously 134.14 Miles

Lineal feet of Sewers January 1st, 1926 136 33 Miles

COMPLETED SEWERS:—

Berkeley, Berwick, Boylston—total
 length 1483 0 ft.
 Parker 791.8 ft.
 Raynor 519 0 ft.

Surface drain in Butman Road near East View St.—300 ft. 4 in.—2½ ft.
 deep—October 27, 1925—October 31, 1925.

*Ledge—There was also large quantities of boulders which required removal by blasting.

SEWERS BUILT BY CITY OF LOWELL — 1926

Street	From	To	Pipe Size	— and—	Sewers Length	Brick Size and Length	Cu. Yds.	Ledge	Avg depth	Manholes	Begun	Finis	Cost	Total Length
Avon	Fourth Ave.	Near White	212.0						5.5	June 21	June 29			212.9
Beaver	End of old	Beaver Brook		24 ft. of 12 in. C. I. P.					3.0	Oct. 25	Oct. 29			24.0
Columbia Road	Main Sewer	Wright		445.5					9.0	2 May 17	June 19			445.5
E. Meadow Rd.	Finis—Moody	Near No. 84		354.4 215.7					10.0	2 Nov. 17 1924	June 11 1926			570.1
Fairmount	— finis	End of old		412.6					13.0	2 Oct. 27 1925	May 7 1926			412.6
Fairmount	End of old	No. 185		199.2						1 Nov. 8	Dec. 31			
Whitman and Fairmount		Belmont Avenue.		289.0						1				
Belmont	Whitman	35 ft. North		94.0					5.0	2 Oct. 1	Oct			582.2
Fairmount—Surface drain	— Laurel Birch			356.0					8.0	2 June 10	June 30			356.0
Farragut	Sixth Avenue	Fourth Avenue		449.7					9.0	July 1	July 10			449.7
Fremont	End of old	Near Tenth		101.0					8.0	1 June 29	Aug.			101.0
Glenwood	Luce	East	167.7						8.0	1 July 9	July			167.7
Gorham	Bowden	Edson Cem Office	76.5						8.0	1 July 9	July			76.5
Gorham — relaid	Manchester	South			500.0				20.0	Arg. 3	Unfinished			500.0
Hildreth	Homestead Rd.	Near Ennell	174.0						9	8.5 1 Aug. 4	Aug. 25			174.0
Hildreth	Coburn	Near Richardson	379.8						9	9.5 1 Aug. 18	Sept. 21			379.8
Jean Avenue	Woburn	East	424.0						7.5	1 Sept. 21	Oct. 26			424.0
July — finis	Twelfth	Thirteenth		163.0					10.0	Nov. 13 1925	Jan. 22 1926			163.0
Leeds	Cumberland Rd.	Near Essex	393.8						240	8.5 1 June 18	July 24			393.8
Llewellyn	End of old	Easterly	99.5						6.0	Jan. 23	Jan. 30			99.5

SEWERS BUILT BY CITY OF LOWELL, 1926 — Continued

Street	From	To	Pipe Size	—and—					Sewers Length	Brick Size and Length	Cu. Yds. Ledge	Average depth	Manholes	Begun	Finis	Cost	Total Length
				6	8	10	12	15										18	20
Leeds	Dalton	No. 15-17	133.0									7.0	Nov. 16	Nov. 23			133 0
Luce	End of old	Hovey					540.0					9.5	3 Oct. 27	Jan. 18 1927			
East View and Luce		West	330.0									7.0					
Hovey	Luce	Butman Road	198.0									5 0					1068 0
Lupine Rd. and Desrosiers	Orleans	No. 19 Desrosiers		730.0								9 0	3 May 8	June 10			730 0
Marshall Ave.	Stevens	West		24 0								14 0	May 28	June 8			24 0
Notchez	Leeds	Orleans	325.5							108		9 0	1 Sept. 14	Nov. 16			325 5
Rogers, surface drain	Boylston	N. of Haines Ave.					70 5	635.5				7.0	4 Nov. 24	Jan. 7 1927			706 0
W. Forrest and Twiss	Near Twiss	In Twiss	226 0									9.0	1 May 26	June 7			226 0
W. Jenness	Stevens	West		29 5								14.5	May 28	June 8			29 5
Westchester and End of old	Fairfield							226 5				11 0	1 Oct. 19	May 25			226 5
Newbury—finis, Westchester	152.5 ft. North												1925	1926			
1570 2 4609 0 1434 7 862 0 500 0																	
899390 9																	

SEWERS BUILT BY CITY OF LOWELL, 1926 — Continued

COMPLETED SEWERS:

East Meadow Road—Total completed length	1954 0 feet
Westchester and Newbury—Total completed length..	629 0 feet
Fairmount—Total completed length	762 6 feet
July—Total completed length	513 0 feet

Lineal feet of Sewers Laid in 1926 8999 9 lineal ft. or 1.70 Miles

Lineal feet of Sewers Laid previously 136 33 Miles

Lineal feet of Sewers Laid January 1st, 1927..... 138 03 Miles

SEWERS BUILT BY CITY OF LOWELL — 1927

Street	From	To	Pipe Size				—and—				Sewers Length				Brick Size and Length	Cu. Yds. Ledge	Average depth	Manholes	Begun	Finis	Cost	Total Length	
			4	6	8	10	12	15	18	24													
Crawford — Unfinish—7th Ave. ...E. Meadow Rd...						300.0										8.0	Nov. 15	Unfinished				300 0	
Fairmount	Whitman	North				90.5										11.0	1 June 2	June 15				90 5	
Gorham — Finis relaid—Manchester Lundberg												886 0				16.0	Aug. 3	Apr. 7				886 0	
Lennan Ave. and Rumford	Woburn	No. 30 Rumford..				595 0											1926						
Marshall Ave. ..Stevens	West					581.7											1927						
Middlesex	Queen	Smith Avenue ..				456 7										263	8 0 2	June 16	Dec. 31			581 7	
Oaklands Main—finis—Draper	Arbor Road															1987	31 1	June 16	Dec.			456 7	
Ridge Road—Unfinished - Glenwood East View						397 2											1924					241 0	
West Albert ....Stevens	West					25 0										10.0	2 Aug. 24	Unfinished				397 2	
																7.0	Apr. 21	Apr. 23				25 0	
SURFACE DRAINS																							
Chelmsford	Town line ..	Wellesley Ave. ..			20 0	483 0			432 0							6.5	Apr. 16	June 7				955 0	
Clark Road	Hovey	Lillian Ave.			550.0	650.0	148 0	70 0								3.5	Apr.	May				1418 0	
Concord	Rogers	Alton														7.5	4 Aug. 9	Nov. 15				794 4	
Lawrence	Brook near Burton Bruce								442 5							5.5	2 May 23	June 22				442 5	
																							7183 0

Lineal feet of Sewers and Drains laid in 19277183 ft. or 1.40 Miles
 Lineal feet of Sewers laid previously 138.03 Miles

Lineal feet of Sewers January 1st, 1928 139.43 Miles
 Oaklands Main completed. Total length 561 ft. — 48 in. Brick.

CATCH BASINS, 1918

Street	Location
Andover	S. S. 51 ft. W. of W. line Fort Hill Avenue.
Andover	N. S. 52 ft. W. of W. line Fort Hill Avenue.
Andover	S. S. on S. line Andover Street at Corner Nesmith St.
Apleton	S. S. 50 ft. E. of E. line Thornidke St.
Central	W. S. 18.3 ft. E. of E. line Union St.
Central	E. S. on W. line North St.
Marginal	S. S. 4 ft. E. of E. line Stevens St.
Marginal	S. S. on E. line Glidden Avenue.
Marginal	At Passageway between Columbia Textile Co. and Bay State Cotton Mills.
Marginal	S. S. 250 ft. E. of E. line Foster St.
Marginal	N. S. 250 ft. E. of E. line Foster St.
Marginal	S. S. 4 ft. E. of E. line Foster St.

Number of Catch Basins built in 1918	12
Number of Catch Basins built previously	3882
Number of Catch Basins January 1st, 1919	3894

CATCH BASINS, 1919

Street	Location
Andover	S. S. 15 ft. W. of W. line Wentworth Avenue (in place of old)
Edson Cemetery..	Near junction Boston Road and Spencer St.
Fletcher	E. S. 31 ft. N. of N. line Pawtucket Canal Bridge (in place of old one)
Fletcher	W. S. 24 ft. N. of N. line Pawtucket Canal Bridge (in place of old one)
Fletcher	Track, 27 ft. N. of N. line Pawtucket Canal Bridge (in place of old one)
Forrest	S. S. 14 ft. W. of W. line Blodgett St.
Lamb	W. S. 225 ft. N. of N. line Eighth Ave.
Mammoth Road .	N. S. 51 ft. W. of W. line Riverside St.
Mammoth Road .	Track, 31.5 ft. W. of W. line Riverside St.
School	Track, 65 ft. S. of S. line L. & C. Gate House.
Second Avenue..	N. S. 4 ft. W. of W. line White St.
Second Avenue..	S. S. 5 ft. W. of W. line White St.
Spencer	N. S. 38 ft. W. of manhole at junction St. Patrick's Cemetery and Spencer St. sewer.
Spencer	S. S. 38 ft. W. of manhole at junction St. Patrick's Cemetery and Spencer St. sewer.
Varnum Avenue..	E. S. 83.5 ft. S. of S. line Mammoth Road.
Varnum Avenue..	Track, 47 ft. S. of S. line Mammoth Road.

Number of Catch Basins built in 1919	16
Number of Catch Basins built previously	3894
Number of Catch Basins January 1st, 1920	3910

CATCH BASINS, 1920

Street	Location
Dutton	N. S. 21 ft. W. of W. line Fletcher St.
Fletcher	E. S. 1 ft. N. of W. line Worthen St.
Fletcher	W. S. on S. line Dutton St. (Rebuilt)
Fletcher	W. S. 29 ft. S. of S. line Dutton St.
Fletcher	Cen. on S. line Dutton St. (Track Basin)
Lawrence	W. S. on S. of S. line Moore St.
Lawrence	W. S. on W. line Wamesit St.
Lawrence	E. S. 30 ft. S. of S. line Rogers St.
Lawrence	Cen. on S. line Rogers St. (Track Basin)
Lawrence	Cen. 59 ft. N. of N. line Merrill St. (Track Basin)
Main	W. S. 3 ft. N. of N. line Canada St.
Main	E. S. 3 ft. N. of N. line Canada St.
Main	E. S. 1 ft. S of S. line Canada St.
Main	W. S. 3 ft. S. of S. line Canada St.
Maryland Ave. ..	N. S. 194 ft. W. of W. line Stevens St.
Number of Catch Basins built in 1920	15
Number of Catch Basins built previously	3910
Number of Catch Basins January 1st, 1921	3925

CATCH BASINS BUILT, 1922

Street	Location
Alton	N. S. east of east line Concord St.
Alton	S. S. west of east line Concord St.
Andover	S. S. in front premises No. 751.
Butman Road ..	W. S. 129.5 ft. south of south line Andover St.
E. Merrimack ..	N. S. 19.7 ft. west of west line Davidson St.
Epping	N. S. 145.5 ft. west of west line Morton St.
Epping	S. S. 145.5 ft. west of west line Morton St.
First	24 ft. east of east line Bridge St. (in out-bound track)
First	S. S. 32.8 ft. east of east line Bridge St.
First	S. S. on west line Read St.
First	S. S. 47.5 ft. east of east line Read St.
Georgia Ave.	E. S. 1 ft. south of south line Tyler Park.
Hoyt Ave.	N. S. east of east line Waverly Ave.
Hoyt Ave.	S. S. west of west line Waverly Ave.
Moody	S. S. on east line Third Ave.
Moody	N. S. on east line Fourth Ave.
Perry	E. S. 515.5 ft. south of south line Rogers St.
Pine	S. S. 33 ft. west of west line Stevens St.
St. James	N. S. 234 ft. east of east line Meadowcroft St.
St. James	S. S. 234 ft. east of east line Meadowcroft St.
Stackpole	N. S. 25 ft. west of east line Brown St.
Stevens	W. S. 35 ft. south of south line Pine St.
Westford	N. S. 6.5 ft. east of east line Gertrude Ave.
West Sixth	N. S. 1 ft. west of west line Fulton St.
West Sixth	S. S. on east line Bunker Hill St.
West Sixth	S. S. 12.5 ft. west of east line Delard St.
West Sixth	S. S. 4.5 ft. east of east line Delard St.
Total number of Basins built in 1922	27
Basins discontinued	4
Stevens St.	1
Pine St.	1
Stackpole St.	1
W. Sixth St. at Delard St.	1
Total	4
Basins previously built	3934
Total number of Catch Basins January 1st, 1923	3957

CATCH BASINS BUILT, 1923

Street	Location
Butman Road ...	N. S. 10 ft. east of east line Frothingham St.
Butman Road ...	N. S. on east line of East View St.
Chelmsford	E. S. in front of house No. 710.
Victoria	N. S. 134 ft. east of east line Stevens St
Adams	W. S. 9 ft. north of north line Suffolk St.
Coral	E. S. 6 ft. south of south line Branch St.
Saunders	W. S. junction Payne St.
Saunders	E. S. 38 ft. south of north line Payne St.
Ruth	E. S. 4 ft. north of south side house No. 50.
Ruth	W. S. 10.5 ft. south of south side house No. 51.
Fenwick	N. S. at angle.
Rock	N. S. 13 ft. west of west line Fletcher St.
Rogers	N. S. 50 ft. west of west line Holyrood Ave.
Rogers	S. S. 88 ft. west of west line Holyrood Ave.
Avon	S. S. 88 ft. west of west line Fifth Ave.
Avon	N. S. 3 ft. west of west line Sixth Ave.
Second Ave.	S. S. 1 ft. east of east line Mammoth Road.
Mammoth Road..	E. S. 1 ft. south of south line Third Ave.
Varnum Ave.	S. S. 33 ft. west of west line Brookside St.
Varnum Ave.	S. S. 29 ft. east of west division line No. 258.
Varnum Ave.	S. S. 26 ft. west of east division line No. 294.
Varnum Ave.	N. S. 26 ft. west of east division line No. 294.
Varnum Ave.	N. S. 38 ft. east of west division line No. 258.
Stevens	W. S. on south line Bond St.
Varnum Ave.	S. S. 24 ft. west of division line between Rule and Ayer land.
John	W. S. 10 ft. north of north line Lee St.
Dutton	S. S. 18 ft. west of west line Merrimack St

NEW TRACK CATCH BASINS, 1923

Street	Location
Coral	2 near Branch St. (built by Mass. St. Ry.)
Nesmith	1 4 ft. south of south line Chestnut St.
Chelmsford	1 opposite Shaw St.

CATCH BASINS DISCONTINUED, 1923

Street	Location
Adams 1	at Suffolk St.
Coral 1	near Branch St.
Fenwick 1	at angle in street.
Lee 1	at John St.

Total number of Catch Basins built in 1923	27
Basins discontinued	4
	<hr/> 23
Basins previously built	3957
	<hr/>
Total number of Catch Basins January 1st, 1924	3980

CATCH BASINS, 1924

Street	Location
Avon	E. S. 85.5 ft. N. of N. Line Fifth Ave.
Billerica	S. S. 2.5 ft. W. of W. Line Staveley St.
Boynton	N. S. 2 ft. E. of E. Line Hildreth St.
Butman Road	W. S. 8 ft. S. of S. Line Frothingham St.
Butman Road	W. S. 10 ft. S. of S. Line Glenwood St.
Butman Road	W. S. 469 ft. S. of N. Line Mansur St.
Butman Road	E. S. 2 ft. S. of S. Line Glenwood St.
Butman Road	E. S. 92 ft. S. of N. Line Mansur St.
Columbia	E. S. 158 ft. N. of N. Line Princeton Boulevard.
Columbia	W. S. 158 ft. N. of N. Line Princeton Boulevard.
Cornell	E. S. 19 ft. N. of N. Princeton Boulevard.
Crawford	E. S. 115 ft. N. of N. Line Sixth Ave.
Crawford	W. S. 115 ft. N. of N. Line Sixth Ave.
Crawford	W. S. 6 ft. S. of S. Line Fourth Ave.
Fourth Ave.	S. S. at E. Line Mt. Hope St.
Fourth Ave.	N. S. at E. Line Mt. Hope St.
Fourth Ave.	S. S. at E. Line Avon St.
Fourth Ave.	S. S. at E. Line Crawford St.
Greene	S. S. 10 ft. W. of E. Line McKenzie Block.
Hadley	E. S. 7 ft. N. of N. Line Princeton Boulevard.
Hazel	N. S. near No. 32.
Hildreth	W. S. 17 ft. N. of N. Line Lilley Ave.
Lakeview Ave.	S. S. and W. of W. Line West St.
Liberty	N. S. at junction Temple St.
Lupine Road	N. S. 1 ft. E. of E. Line Orleans St.
Lupine Road	S. S. 1 ft. E. of E. Line Orleans St.
Lura	W. S. 407 ft. S. of S. Line Parker St.
Lura	E. S. 454 ft. S. of S. Line Parker St.
Parkview Ave.	W. S. 5 ft. N. of N. Line Shepard St.
Rivercliff Road	S. S. at end of Road N. of E. Merrimack St.
Riverside	N. S. 26 ft. E. of E. Line Sparks Ave.
Riverside	S. S. 6.5 ft. E. of E. Line Sparks Ave.
Stevens	E. S. 5 ft. N. of N. Line Jenness St.
Stevens	W. S. 2 ft. S. of S. Line Fairfax St.
Stevens	W. S. 3 ft. S. of S. Line Fleming St.
Stevens	W. S. 3 ft. S. of S. Line Benton St.
Stevens	E. S. 1 ft. N. of N. Line new St. end St. Peter's Orphanage property.
Sixth Ave.	N. S. Intersection Endicott St.
Sixth Ave.	S. S. Intersection Endicott St.

CATCH BASINS, 1924 — Continued

Street	Location
Sixth Ave.	N. S. Intersection Endicott St.
Sixth Ave.	S. S. Intersection Endicott St.
Thayer ...	N. S. 4 ft. W. of W. Line Bellevue St.
Upham	N. S. 3 ft. E. of East Line No. 60.
Upham	S. S. 3 ft. E. of East Line No. 60.
Wellington Ave...	S. S. 37 ft. E. of East Line Hoyt Ave.
Wellington Ave...	N. S. 34 ft. E. of E. Line Hoyt Ave.
Wellington Ave...	N. S. 4.5 W. of W. Line Hoyt Ave.
West Ninth	S. S. 4 ft. E. of E. Line Shedd St.
Total number of Catch Basins built in 1924	54
Number discontinued	3
	<hr/>
	51
Built previously	3980
	<hr/>
Total number Catch Basins January 1st, 1925	4031

Catch Basins Discontinued:

- 1 Stevens and Flemings St.
- 1 Lawrence St. at North St.
- 1 Greene St. at McKenzie Bldg.

Track Basins:

- Chelmsford St. 2 new at Waite St.
- Chelmsford St. 2 new rear No. 482.
- Chelmsford St. 1 new at Plain St.
- Lakeview Ave. 1 between Nos. 603 and 593-5.

CATCH BASINS, 1925

Street	Location	Grate	Trap	Remarks
Andover	S. S. 10 ft. E. of E. line Butman Road	1 Sq.	$\frac{1}{4}$	Edgestone Frame
Andrews	E. S. 3 ft. S. of S. line Barrington St.	1 Sq.	$\frac{1}{4}$	
Arbor Road	W. S. 11.5 ft. N. of N. line Frothingham St.	1 Sq.	$\frac{1}{4}$	
Avery	S. S. 4 ft. W. of W. line S. Wilder St.	1 Sq.	$\frac{1}{4}$	
Avery	S. S. 5.5 ft. E. of E. line S. Wilder St.	1 Sq.	$\frac{1}{4}$	
Belrose Ave.	W. S. 2.5 ft. S. of S. line Waverly Avenue	1 Sq.	$\frac{1}{4}$	Edgestone Frame
Belrose Ave.	E. S. 8 ft. S. of S. line Waverly Avenue	1 Sq.	$\frac{1}{4}$	Edgestone Frame
Blodgett	E. S. 1 ft. N. of N. line Forrest St.	1 Sq.	$\frac{1}{4}$	
Bridge	E. S. 1 ft. N. of N. line Tenth St.	1 Sq.	$\frac{1}{4}$	Edgestone Frame
Bourne	E. S. 3 ft. S. of S. line Otis St.	1 Sq.	$\frac{1}{4}$	
Butman Road	W. S. 22 ft. N. of N. line Hovey St.	1 Sq.	$\frac{1}{4}$	
Chelmsford	W. S. 36 ft. S. of N. line Crescent St.	1 Sq.	$\frac{1}{4}$	
Corbett	N. S. 6.5 ft. W. of W. line Stromquist Ave.	1 Sq.	$\frac{1}{4}$	
Corbett	E. S. 3 ft. W. of W. line Stromquist Ave.	1 Sq.	$\frac{1}{4}$	
Frothingham	S. S. 6 ft. W. of W. line Butman Road	1 Sq.	$\frac{1}{4}$	Edgestone Frame
Frothingham	S. S. 3 ft. E. of E. line Butman Road	1 Sq.	$\frac{1}{4}$	Edgestone Frame
Frothingham	N. S. 3 ft. E. of E. line Butman Road	1 Sq.	$\frac{1}{4}$	Edgestone Frame
Hall	N. E. intersection of Hall and Aiken Sts.	1 Sq.	$\frac{1}{4}$	
Highland Ave.	W. S. 3 ft. N. of N. line Fairfax St.	1 Sq.	$\frac{1}{4}$	
Hildreth	S. S. 49 ft. E. of stone bound near Essex St.	1 Sq.	$\frac{1}{4}$	
Hildreth	N. S. 49 ft. E. of stone bound near Essex St.	1 Sq.	$\frac{1}{4}$	Edgestone Frame
Hoyt Ave.	E. S. 4 ft. N. of N. line Waverly Ave.	1 Sq.	$\frac{1}{4}$	Edgestone Frame
Hoyt Ave.	W. S. 302 ft. S. of S. line Waverly Ave.	1 Sq.	$\frac{1}{4}$	Edgestone Frame
Hoyt Ave.	E. S. 333.3 ft. S. of S. line Waverly Ave.	1 Sq.	$\frac{1}{4}$	Edgestone Frame

CATCH BASINS, 1925 — Continued

Street	Location	Grate	Trap	Remarks
Hovey	N. E. intersection Butman Road	1 Sq.	1/4	
Lakeview Ave.	E. S. 3 ft. S. of S. line Farmland Road	1 Sq.	1/4	
Lakeview Ave.	E. S. 57 ft. N. of N. line Exeter St.	1 Sq.	1/4	
Olive	N. S. 95 ft. W. of M. H. Sta. 238 front No. 13	1 Sq.	1/4	
Olive	E. S. 95 ft. S. of M. H. Sta. 238 front No. 16	1 Sq.	1/4	
Park Ave., East	S. 4 ft. S. of S. line Waverly Ave.	1 Sq.	1/4	Edgestone Frame
Parker	S. E. intersection Lura St.	1 Sq.	1/4	
Pine	E. S. 25 ft. S. of S. line Westford St.	1 Sq.	1/4	Edgestone Frame
Sixth Ave.	N. E. cor. Avon St.	1 Sq.	1/4	
Standish	E. S. 3 ft. N. of N. line Colonial Ave.	1 Sq.	1/4	Edgestone Frame
Stevens	E. S. 10 ft. N. of N. line Albert St.	1 Sq.	1/4	
Stevens	W. S. 2 ft. N. of N. line Maryland Ave.	1 Sq.	1/4	
Stevens	W. S. 2 ft. N. of N. line W. Forrest St.	1 Sq.	1/4	
Varnum Ave.	N. E. intersection West Meadow Road	1 Sq.	1/4	
Varnum Ave.	N. S. 36.5 ft. W. of M. H. at Ursula St.	1 Sq.	1/4	
Varnum Ave.	S. 36.5 ft. W. of M. H. at Ursula St.	1 Sq.	1/4	
Varnum Ave.	N. S. 142.5 ft. W. of W. line Dunbar Ave.	1 Sq.	1/4	
Waverly Ave.	N. S. 4 ft. W. of W. line Belrose Ave.	1 Sq.	1/4	Edgestone Frame
Waverly Ave.	S. S. 2 ft. W. of W. line Belrose Ave.	1 Sq.	1/4	Edgestone Frame
Wedge	N. S. 7.5 ft. E. of E. line Highland Ave.	1 Sq.	1/4	
Wellington Ave.	N. S. 1 ft. W. of W. line Belrose Ave.	1 Sq.	1/4	Edgestone Frame
Wellington Ave.	S. W. intersection Belrose Ave.	1 Sq.	1/4	Edgestone Frame
Wellington Ave.	S. W. intersection Hoyt Ave.	1 Sq.	1/4	Edgestone Frame
W. Meadow Rd.	E. S. N. of N. line Varnum Ave.	1 Sq.	1/4	Edgestone Frame
W. Ninth	S. S. front No. 14	1 Sq.	1/4	

CATCH BASINS, 1925 — Continued

Total number of Basins in 1925	49
Number discontinued	2
	<hr/>
	47
Built previously	4031
	<hr/>
Total number of Catch Basins January 1st, 1926	4078

Basins Removed:

- 1 at Hildreth St. near Essex St.
- 1 at Varnum Ave. near Ursula St.

Track Basins Built:

- Lakeview Ave. opp. S. line Exeter St.
- Chelmsford St. opp. S. line Crescent St.
- Bridge St. opp. center of Eighth St.

NEW CATCH BASINS BUILT, 1926

Street	Location	Grate	Trap	Remarks
Sixth Ave.	N. S. 5.5 ft. N. of N. L. Roberts St.	Square	1/4	
Sixth Ave.	S. S. 5.5 ft. N. of N. L. Roberts St.	Square	1/4	
Garden Road ...	E. S. 3.5 ft. N. of angle	Square	1/4	
Garden Road ...	W. S. 4.5 ft. N. of angle	Square	1/4	
Chelmsford	W. S. 5.5 ft. S. of S. L. Viola St.	Square	1/4	Edgestone Frame
Stevens	W. S. 3.5 ft. S. of S. L. Upham St.	Square	1/4	
Stevens	E. S. 4 ft. S. of S. L. Upham St.	Square	1/4	
Lakeview Ave. ...	N. S. 6 ft. E. of E. L. Fred St.	Square	1/4	Edgestone Frame
Sayles	W. S. 7 ft. S. of S. L. Middlesex St.	Square	1/4	Edgestone Frame
Sayles	E. S. 3 ft. S. of S. L. Middlesex St.	Square	1/4	Edgestone Frame
Stevens	E. S. cor. Jenness St.	Square	1/4	
Middlesex	N. S. 33.5 ft. W. of W. Division line Nos. 987-989..	Square	1/4	
Middlesex	S. S. 37.5 ft. W. of W. Division Line Nos. 987-989..	Square	1/4	
Middlesex	S. S. W. L. Walker Place	Square	1/4	
Woodward Ave....	S. S. 195 ft. W. of W. L. Mammoth Road	Square	1/4	Edgestone Frame
Woodward Ave....	S. S. 5.5 ft. W. of W. L. Starbird St.	Square	1/4	Edgestone Frame
Lakeview Ave. ...	W. S. 1 ft. E. of E. L. Riverby St.	Square	1/4	Edgestone Frame
Luce	W. S. 6 ft. S. of S. L. Frothingham St.	Square	1/4	Edgestone Frame
Luce	E. S. 6 ft. S. of S. L. Frothingham St.	Square	1/4	Edgestone Frame
Clark Road	E. S. 62.5 ft. S. of S. L. Hovey St.	Square	1/4	Edgestone Frame
Clark Road	W. S. 62.5 ft. S. of S. L. Hovey St.	Square	1/4	Edgestone Frame
Clark Road	E. S. near town line	Square	1/4	
Clark Road	W. S. near town line	Square	1/4	Edgestone Frame
Fulton	W. S. 5 ft. S. of S. L. E. Burnside Ave.	Square	1/4	Edgestone Frame

NEW CATCH BASINS BUILT, 1926 — Continued

Street	Location	Grate	Trap	Remarks
Perkins	S. S. 9.5 ft. W. of W. L. Ward St.	Square	1/4	Edgestone Frame
Perkins	S. S. 250 ft. E. of E. L. Hall St.	Square	1/4	Edgestone Frame
Perkins	N. S. 250 ft. E. of E. L. Hall St.	Square	1/4	Edgestone Frame
Fairmount	W. S. 121.5 ft. N. of S. L. Laurel St.	Square	1/4	Edgestone Frame
Fairmount	E. S. 40.5 ft. N. of S. L. Birch St.	Square	1/4	Edgestone Frame
Fairlawn	N. S. 6.5 ft. E. of E. L. Greenfield St.	Square	1/4	
Varnum Ave. ...	W. S. and N. cor. Orchard St.	Square	1/4	
Georgia Ave.	E. S. 1 ft. S. of S. L. Pembroke St.	Square	1/4	Edgestone Frame
Meadowcroft	N. S. at angle opposite Bolt St.	Square	1/4	Edgestone Frame
Garden Road	E. S. opposite No. 22	Square	1/4	
Garden Road	W. S. opposite No. 22	Square	1/4	
Stafford Road	E. S. at N. L. Mansfield Road	Square	1/4	Edgestone Frame
Dracut	E. S. 3 ft. S. of S. L. Sixth Ave.	Square	1/4	Edgestone Frame
Sixth Ave.	N. S. 5 ft. W. of W. L. Dracut St.	Square	1/4	
Rogers	W. S. opposite Haines Avenue	Square	1/4	Edgestone Frame
Chelmsford	W. S. 2 ft. S. of S. L. Albert St.	Square	1/4	

NEW CATCH BASINS BUILT, 1926 — Continued

Discontinued:

- 1 S. E. cor. Suffolk and Market Sts.
- 1 E. S. Hurd St. at Court House.
- 1 E. S. Stevens St. at Jenness St.
- 1 N. S. Stackpole St. at Brown St.

Total number of Catch Basins, 1926	41
Number discontinued	4
	<hr/>
	37
Number built previously	4078
	<hr/>
Total number Catch Basins January 1st, 1927	4115

Pevey St., E. S. at angle low place in street, by Pratt & Forrest.

NEW CATCH BASINS BUILT, 1927

Street	Location	Grate	Trap	Remarks
Chelmsford	N. S. 41 ft. W. of S. B. and of curve.	Square	1/4	
Chelmsford	S. S. 40 ft. W. of S. B. and of curve.	Square	1/4	
Chelmsford	N. S. 60 ft. W. of W. L. Baltimore Avenue	Square	1/4	
Chelmsford	S. S. 60 ft. W. of W. L. Baltimore Avenue	Square	1/4	
Chelmsford	S. S. 70 ft. W. of W. L. Wellesley Avenue	Square	1/4	
Ford	N. S. 59.5 ft. W. of W. L. Aiken St.	Square	1/4	Edgestone Frame
Pentucket Ave.	N. S. 25 ft. S. of N. L. No. 65	Square	1/4	Edgestone Frame
Pentucket Ave.	S. S. 25 ft. S. of N. L. No. 65	Square	1/4	Edgestone Frame
Boylston	E. S. 286.5 ft. N. of N. L. Berwick St.	Square	1/4	Edgestone Frame
Fairlawn	S. S. 9 ft. E. of W. L. Greenfield St.	Square	1/4	Edgestone Frame
Fairlawn	N. W. cor. Fairlawn and Greenfield Sts.	Square	1/4	Edgestone Frame
Stevens	N. S. 33 ft. W. of W. L. Chelmsford St.	Square	1/4	Edgestone Frame
Walker	E. S. 3 ft. N. of N. L. Shaffer St.	Square	1/4	
Lakeview Ave.	N. S. 16 ft. E. of Town Line	Square	1/4	
Parker	E. S. 10 ft. S. of S. L. Pine St.	Square	1/4	
Parker	W. S. 15 ft. S. of S. L. Pine St.	Square	1/4	
Fifth Ave.	N. S. 1 ft. E. of E. L. Mt. Hope St.	Square	1/4	
Fifth Ave.	N. S. 4 ft. E. of E. L. Crawford St.	Square	1/4	
Fifth Ave.	S. S. 4 ft. E. of E. L. Crawford St.	Square	1/4	
Hildreth	N. S. 5 ft. E. of E. L. Hampshire St.	Square	1/4	Edgestone Frame
Hildreth	N. S. 11.5 ft. W. of W. L. Hampshire St.	Square	1/4	Edgestone Frame
Hildreth	S. S. 8.5 ft. W. of W. L. Hampshire St.	Square	1/4	Edgestone Frame
Oakland	E. S. 6.5 ft. S. of S. L. Pine St.	Square	1/4	
Oakland	W. S. 1 ft. S. of S. L. Walden St.	Square	1/4	Edgestone Frame

NEW CATCH BASINS BUILT, 1927 — Continued

Street	Location	Grate	Trap	Remarks
Parker	E. S. 6 ft. S. of S. L. Lincoln St.	Square	1/4	Edgestone Frame
Parker	N. S. 40 ft. W. of W. L. Hawthorn St.	Square	1/4	Edgestone Frame
London	N. S. Junction of W. L. Highland Avenue	Square	1/4	
Parker	N. S. 1 ft. W. of E. L. Lura St.	Square	1/4	Edgestone Frame
E. Meadow Rd.	S. S. 105 ft. E. of E. L. Avon St.	Square	1/4	Edgestone Frame
Agawam	E. S. 3.5 ft. N. of S. Lot Line Nos. 160-3	Square	1/4	Edgestone Frame
Meadowcroft	S. S. 2 ft. W. of W. L. Bolt St.	Square	1/4	Edgestone Frame
Ridge Road	E. S. 9 ft. S. of S. L. Glenwood St.	Square	1/4	Edgestone Frame
Ridge Road	W. S. 9 ft. S. of S. L. Glenwood St.	Square	1/4	Edgestone Frame
Andover	S. S. 23 ft. E. of E. L. Arbor Road	Square	1/4	Edgestone Frame
Fay	N. S. 88 ft. E. of E. L. O'Connell St.	Square	1/4	Edgestone Frame
Fairmount	N. S. 6 ft. W. of W. L. Whitman St.	Square	1/4	Edgestone Frame
Fairmount	N. S. 6 ft. E. of E. L. Whitman St.	Square	1/4	Edgestone Frame
Fairmount	S. S. 40 ft. E. of W. L. Whitman St.	Square	1/4	Edgestone Frame
Concord	W. S. 9 ft. S. of S. L. Rogers St.	Square	1/4	Edgestone Frame
Concord	E. S. 9 ft. S. of S. L. Rogers St.	Square	1/4	Edgestone Frame
Concord	E. S. 304 ft. S. of S. L. Rogers St.	Square	1/4	Edgestone Frame
Concord	W. S. 304 ft. S. of S. L. Rogers St.	Square	1/4	Edgestone Frame
Tanner	E. S. 14 ft. N. of N. L. Lincoln St.	Square	1/4	Edgestone Frame
Weed	N. S. 29.5 ft. W. of E. Lot Line No. 34	Square	1/4	Edgestone Frame
School	E. S. 14 ft. S. of S. L. Middlesex St.	Square	1/4	Edgestone Frame
School	W. S. 19 ft. S. of S. L. Middlesex St.	Square	1/4	Edgestone Frame
Lincoln	W. S. 145 ft. N. of N. L. Angle St.	Square	1/4	Edgestone Frame
Lincoln	E. S. 130 ft. N. of N. L. Angle St.	Square	1/4	Edgestone Frame
Clark Road	E. S. on S. L. Lillian St.	Square	1/4	Edgestone Frame

NEW CATCH BASINS BUILT, 1927 — Continued

1 Discontinued at N. E. cor. Lincoln and Tanner Sts.	
Total number Catch Basins built in 1927	49
Number discontinued	1
	<hr/>
	48
Number built previously	4115
	<hr/>
Total number Catch Basins January 1st, 1928	4163

BRIDGE STATISTICS

Street	Location	Material	Roadway		Pavement	Maintained by
			Length	Width		
					Sq. Yds.	
Aiken	Merrimack River	Iron	775.4	30.6	2636.4	Asphalt over Wood Block City
Aiken	Northern Canal	Iron	107.6	31.7	379.0	Asphalt Road Cement Walks City
Boylston ..	W. Div. B. & M. R. R.	Wood	34.5	21.0	80.5	Plank B. & M. R. R.
Boylston ..	Lowell & Lawrence R. R.	Wood	29.0	31.0	99.9	Plank B. & M. R. R.
Bridge	Merrimack River	Concrete and Iron	474.1	32.9	1733.1	Asphalt over Concrete City
Bridge	Eastern Canal	Wood and Iron	45.6	16.4	83.1	Plank and Pitched
Broadway ..	Pawtucket Canal	Wood	73.7	16.2	82.1	Wood Block P. Locks & Can.
Broadway ..	Western Canal	Stone	106.3	35.3	289.1	Plank City
Cabot	Northern Canal	Wood	30.0	35.0	308.3	Asphalt City
Cambridge..	River Meadow Brook	Concrete	90.3	26.1	93.7	Asphalt Roadway City
Central	Pawtucket Canal	Concrete and Iron	134.6	28.1	205.7	Dirt City
Chelmsford..	B. & M. R. R.	Iron	140.0	20.5	174.6	Tar Concrete P. Locks & Can.
Church	Concord River	Stone	37.0	17.4	538.4	Wood Block B. & M. R. R.
Congress ...	River Meadow Brook	Concrete	38.4	36.0	82.2	Grouted Granite Block City
Dutton	Western Canal	Wood	61.7	20.0	182.2	Macadam City
E. Merr'k..	Eastern Canal	Iron	61.7	42.7	171.4	Plank City
Concord River	Concord River	Iron and Stone	128.3	25.0	106.9	Tar Concrete P. Locks & Can.
				15.6	570.2	Wood Block
				40.0		Granite Block City

BRIDGE STATISTICS — Continued

Street	Location	Material	Roadway		Pavement	Maintained by
			Length	Width		
					Sq. Yds.	
Gorham ...	River Meadow Brook	.....		33.6	Granite Block	City
Hale	B. & M. R. R.	.....Iron	160.8	25.0	Plank	B. & M. R. R.
Howard ...	River Meadow Brook	.....Stone	52.0	28.0	Granite Block	City
Jefferson ..	Western Canal	.....Iron	50.5	25.7	Plank	City
Lawrence .	Concord River	.....Concrete	201.5	27.0	Concrete	City
Lawrence .	Wamesit Canal	.....Concrete	36.0	27.6	Grouted Granite Block	Wamesit Power Coi.
	River Meadow Brook	.....Concrete	36.0	36.0	Grouted Block	City
Lincoln ...	River Meadow Brook	.....Wood	52.5	36.0	Plank	City
Lincoln ...	N. Y. N. H. & H. R. R.	.....Iron	78.5	30.5	Plank	N. Y. N. H. & H. R. R.
Lincoln ...	Quebec Street	.....Iron	60.6	30.5	Pitched Block	City
Lundberg ...	B. & M. R. R.	.....Iron	119.8	23.1	Asphalt over Cement	City
Market ...	Merrimack Canal	.....Concrete	43.5	41.0	Pitched stone Block	City
	Western Canal	.....Concrete	43.0	43.1	Asphalt	City
Merrimack .	Merrimack Canal	.....Stone and Brick		40.8	Granite Block	P. Locks & Can.
	Western Canal	.....Concrete	34.5	45.2	Plank and Concrete	P. Locks & Can.
Moody	Western Canal	.....Concrete	37.5	34.5	Concrete	City
	Merrimack River	.....Iron	495.0	36.0	Concrete and Tar Patch	City

BRIDGE STATISTICS — Continued

Street	Location	Material	Roadway		Pavement	Maintained by
			Length	Width		
					Sq. Yds.	
Newhall ...	River Meadow Brook	Iron	33.7	23.0	86.1	City
Pawtucket	Northern Canal	Iron and Concrete	163.7	21.6	392.9	P. Locks & Can.
	Pawtucket Canal	Wood	91.0	32.0	323.6	Tar Concrete
	B. & M. R. R.	Iron	76.5	31.5	267.7	P. Locks & Can.
Plain	River Meadow Brook	Wood	52.4	28.0	163.0	Asphalt over Plank
	N. Y. N. H. & H. R. R.	Iron	74.2	30.5	251.5	Asphalt over Plank
Rogers	Concord River	Stone	222.5	27.3	674.9	Asphalt over Plank
School	Merrimack River	Concrete	315.0	23.0	805.0	Macadam
	Northern Canal	Concrete				Stone Block
School	Boston & Maine R. R.	Iron	66.5	29.25	216.1	Old Block
	Pawtucket Canal	Iron				P. Locks & Can.
Suffolk	Northern Canal	Concrete	105.0	30.5	355.8	Pitched Block
						Pitched Block
						Concrete—Iron
						Fence
Thorndike	Pawtucket Canal	Concrete	156.4	32.6	566.5	P. Locks & Can.
Walker	B. & M. R. R.	Iron	60.0	23.0	153.3	P. Locks & Can.
Wilder	B. & M. R. R.	Iron and Concrete	36.3	28.0	112.9	Brick
						B. & M. R. R.
						B. & M. R. R.
Woburn	Lowell & Lawrence R. R.	Iron	35.3	24.0	94.1	Asphalt
Worthen	Western Canal	Wood	38.7	30.1	129.4	Concrete
						Plank
						City
						City

Streets and Highways Department



Statement of Expenditures

JANUARY 1, 1927 TO DECEMBER 31, 1927

STREET MAINTENANCE EXPENDITURES

From January 1, 1927 to December 31, 1927

Salaries and Wages Appropriation 1927	\$171,000.00	
Receipts	10,218.66	
	\$181,218.66	
 Expense and Supplies Appropriation 1927	 \$57,200.00	
Receipts	17,171.47	
	\$ 74,371.47	
Total Salaries and Wages and Expense and		
Supplies Credits		\$255,590 13

EXPENDITURES

Sanding and Snow Removal

Snow Removal Labor	\$18,987.40	
Snow Removal Teaming	5,555.59	
Sanding Street Labor	1,500.19	
Sanding Streets Teaming	471.13	
Yard Sand Labor	617.04	
Yard Sand Teaming	389.30	
Bower's Bank Labor	453.97	
Bower's Bank Teaming	105.70	
Guttering Labor	7,110.10	
Guttering Teaming	95.69	
Plowing Labor	1,755.92	
Sharpening Tools	25.56	
Tractor Repairs Labor	161.35	
Plowing Contract	4,411.50	
Plow Repairs	128.43	
Removing and Storing Sleds	165.46	
Excavator Labor	164.15	
Truck Hire	94.50	
	\$ 42,192.98	

Street Cleaning

Sparrowmen	\$18,023.69	
Teaming Labor	2,748.80	
	<hr/>	\$20,772.49
Cleaning Gangs	6,905.82	
Teaming Labor	1,713.84	
	<hr/>	\$ 8,619.66
Elgin Sweeper	4,004.64	
Sweeper Upkeep	4,012.20	
	<hr/>	\$ 8,016.84
	<hr/>	\$ 37,408.99

General Administration

Superintendent's Salary	\$ 3,600.00
Office and Supervision	8,794.00
Pensions and Chauffeur	1,619.95
Vacations (Labor Division)	6,283.13
Engineering	2,853.99

General Expense:

Water	\$ 890.37	
Telephone Service	297.45	
Advertising	47.94	
Stationery	1,146.96	
Misc. Expense	155.27	
	<hr/>	\$ 2,537.99
	<hr/>	\$ 25,689.06

Carpenter Shop

Labor	\$ 1,849.61	
Material	532.51	
Milling	420.46	
	<hr/>	\$ 2,802.58

General Yard Expense

Utility Men	\$ 1,404.66
General Jobbing	3,319.85
Street Signs	585.45
Driving Ford Truck	227.50
Placing and Removing Guards	824.89

Auto Repairs	1,887.00
Misc. Repairs	1,115.60
*Misc. Labor	751.24
Misc. Teaming	306.05
Stormy Weather Allow.	1,470.04
Beacon Lights	162.92
Repair Yard Lights	33.75
Refilling Brooms	135.45

General Expense:

Kerosene Oil	\$ 39.32
Freight and Express	165.94
Lighting	1,027.38
Towel Supply	154.20
Traffic Supply	82.25
Inspect Boiler	50.00
Misc. Expense	245.52
	<hr/>
	\$ 1,764.61
	<hr/>
	\$ 13,989.01

Stable Expense

Hostlers	\$ 6,330.39
Barnmen	12,517.21
Harnessmen	2,602.33
Misc. Barn Labor	34.40
Veterinary Service	166.10
Horse Medicine	144.60
Feed	9,805.79
Harness Supplies	619.03
Removing Dead Horse	6.00
Use of Horse	99.00
	<hr/>
	\$ 32,324.85

Street and Sidewalk Repairs

Cold Patch Labor	\$ 7,094.36
Cold Patch Teaming	1,426.67
Materials Used	6,606.49
	<hr/>
	\$15,353.68
Cinder Labor	1,444.37
Cinder Teaming	313.10

Roller Labor	18.19	
Supplies	383.32	
	<hr/>	\$ 2,158.98
Gravel Labor	6,701.21	
Gravel Teaming	1,588.75	
Excavator Labor	351.75	
Roller Labor	403.26	
Materials Used	86.88	
	<hr/>	\$ 9,131.85
Washouts Labor	2,695.18	
Washouts Teaming	537.19	
	<hr/>	\$ 3,232.37
Pen. Mac. Labor	4,606.90	
Pen. Mac. Teaming	1,821.82	
Materials Used	9,896.51	
	<hr/>	\$16,325.23
Misc. Labor	3,448.84	
Pawtucket Boul.	1,094.89	
Misc. Teaming	378.85	
Concrete Sidewalks	1,767.91	
Materials Used	73.51	
	<hr/>	\$ 6,764.00
	<hr/>	<hr/>
		\$ 52,966.11
Blacksmith Shop	6,930.48	
Steam Roller Upkeep	2,438.74	
Automobile Upkeep	2,318.59	
Gen. Equip. Repairs	117.76	
Truck Upkeep	5,687.69	
Keystone Excavator Labor and Upkeep	2,877.72	
Tractor Upkeep	4,019.47	
Charge Work	2,085.22	
New Equip. Purchases	10,159.00	
Dracut Ledge	6,404.16	
Stock	3,611.12	
Transfers	55.74	
Water	318.40	
		<hr/>
		\$254,397.67
Balance	\$1,192.46	

SEWER MAINTENANCE EXPENDITURES

From January 1, 1927 to December 31, 1927

Salaries and Wages Appropriation 1927	\$	22,500.00
Receipts		2,315.77
		<hr style="width: 20%; margin-left: auto;"/> \$24,815.77
Expense and Supplies Appropriation 1927.....		2,500.00
		<hr style="width: 20%; margin-left: auto;"/>
Total Salaries and Wages and Expense and Supplies Credits		\$27,315.77

EXPENDITURES

Cleaning Basins Labor	\$10,637.25
Cleaning Basins Teaming	1,411.99
Misc. Yard Labor	624.94
Misc. Labor	2,076.68
Guttering and Opening Basins	1,390.12
Equipment Repairs Labor	125 83
Supervision and Office	1,088.86
Vacations	755.98
Oakland Settling Basins	516.10
Inspecting Basins	439.93
Engineering	2,615.40
Driving Ford Truck	13.00
Repairing Washouts	95.27
Stormy Weather Allowance	201.43
Charges	712 90
Flushing	716.26
Supplies	952.68
Misc. Expense	253.26
Necto Truck	1,127.77
Ford Coupe	58 33
Catch Basins (Sew. Const.)	1,344.58
	<hr style="width: 20%; margin-left: auto;"/>
	\$27,158.56
	<hr style="width: 20%; margin-left: auto;"/>
Balance	\$ 157.21

BRIDGE REPAIRS EXPENDITURES

From January 1, 1927 to December 31, 1927

Appropriation 1927	\$ 10,000.00
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EXPENDITURES

Wages	\$ 3,182.55
Supervision and Office	165.98
Engineering	935.83
Expenses of Geo. Budd	28.43
Lumber	1,631.21
Misc. Expense	1,047.99
Transfers	3,000.00
	\$ 9,991.99
Balance	\$ 8.01

NEW SIDEWALKS EXPENDITURES

From January 1, 1927 to December 31, 1927

Expense and Supplies Appropriation 1927.....	12,000.00
Salaries and Wages Appropriation 1927.....	\$ 8,000.00
	<hr style="width: 100%;"/>
Total Salaries and Wages and Expense and Supplies Credits	\$20,000.00

EXPENDITURES

Wages	\$ 6,462.12
Teaming Labor	272.48
Edgestone Purchases	11,073.81
New Sidewalks (Contract)	372.29
Engineering	1,245.15
Vacations	266.00
Other Purchases	16.55
Supervision and Office	291.60
	<hr style="width: 100%;"/> \$20,000.00

STREET SPRINKLING EXPENDITURES

From January 1, 1927 to December 31, 1927

Salaries and Wages Appropriation 1927	\$ 7,000.00
Expense and Supplies Appropriation 1927	24,100.00
Receipts	202.06
	<hr style="width: 100%;"/>
Total Salaries and Wages and Expense and salaries Credits	\$31,302.06

EXPENDITURES

Watering Cart	\$ 217.92
Sanding Labor	3,313.07
Sanding Teaming	1,234.35
Oil Labor	159.00
Vacations	65.00
Supervision and Office	238 77
Sand	1,090.05
Flushing Contract	11,340.00
Oil	8,841.20
Water	2,800.00
Truck Repairs	9.00
Engineering	791.70
Misc. Expense	70.75
Transfers	1,131 25
	<hr style="width: 100%;"/> \$31,302.06

LIGHTING EXPENDITURES

From January 1, 1927 to December 31, 1927

Street Lighting Appropriation 1927\$170,000.00

EXPENDITURES

Gas	\$ 31,923.40
Electric	131,440.31
Inspecting Labor	1,075.93
Expenses H. P. Doherty	167.70
J. Kirkpatrick (Contract)	750.00
Copies of Lighting Returns	82.50
Stationery	27.50
Labor on Maps	25.50
Expenses J. Jos. Hennessy	11.23
Horace A. Edgecomb,	22.78
Lunches	4.05
Automobile Hire	30.00
	\$165,560.90
Balance	\$ 4,439.10

SAFETY GUARD — CHELMSFORD STREET BRIDGE

From January 1, 1927 to December 31, 1927

Balance 1926	\$ 3,100.00
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EXPENDITURES

Expenses of Geo. Budd	\$ 6.39
Carpenters	118.93
Teaming	23.33
Supervision and Office	13.56
Sharpening Tools	13.20
Drilling	107.07
Roller Labor	7.27
Engineering	478.00
Safety Device	1,975.00
Painting	12.32
	<hr/>
	\$ 2,755.07

Balance	\$ 344.93
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FIFTH AVENUE EXTENSION

From January 1, 1927 to December 31, 1927

Balance 1926	\$ 2,958.25
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EXPENDITURES

Subgrade	\$,665.29
Teaming	527.00
Gravel Base	1,430.91
Building Stone Wall	173.77
Supervision and Office	155.10
Sharpening Tools	6.18
	\$ 2,958.25

EXPENDED

Bridge Construction (Engineering)	\$ 59.59
Anne Street Parkway (Engineering)	709.04

UNEXPENDED

First Street Extension	\$ 6,711 51
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MACADAM EXPENDITURES

From January 1, 1927 to December 31, 1927

Balance 1926	\$ 18.67
Appropriation 1927	235,000.00
Receipts	9,715.03
Transfers	36,475.00
	<hr/>
Total	\$281,208.70

EXPENDITURES

Wages	\$ 79,229.58
Crushed Stone	9,879.15
Asphaltic Concrete	127,852.72
Other Expenses	67.83
Engineering	4,149.91
Penetration Asphalt	8,142.93
Sidewalks (Contract)	8,187.09
Printing and Advertising	218.86
Sand	295.10
Lumber	244.75
Cement	654.50
Transfers	18,939.27
Analysis of Asphalt	73.00
Truck Hire	60.00
Vulcanized Asphalt Pavement	23,214.01 *
	<hr/>
	\$281,208.70

PAVING EXPENDITURES

From January 1, 1927 to December 31, 1927

Balance 1926	\$ 21.32
Appropriation 1927	20,000.00
Receipts	12,394.12
Transfers	36,475.00
	<hr/>
Total	\$68,890.44

EXPENDITURES

Wages	\$ 38,354.57
Cement and Coal	6,130.36
Sand	1,294.90
Stone and Gravel	1,716.91
Other Expenses	387.09
Engineering	1,191.82
Sidewalks (Contract)	1,876.01
Advertising and Printing	124.80
Cal and Calcium Chloride	345.33
Truck Hire	113.75
Exp. Joints, Mesh, Fabric and Rods	1,762.54
Lumber	282.46
Transfers	15,167.65
Stock and Tools	88.62
	<hr/>
	\$68,836.81
	<hr/>
Balance	\$ 53.63

SEWER CONSTRUCTION EXPENDITURES

From January 1, 1927 to December 31, 1927

Balance 1926	\$ 23,882.99
Appropriation	60,000.00
Transfers	36,475.00
Receipts	423.53
Total	<u>\$120,781.52</u>

EXPENDITURES

Oil and Gasoline	\$ 865.80
Wages	88,302.74
Cement	2,533.04
Pipe	5,818.55
Equipment, Repairs and Parts	1,339.70
Stock and Tools	981.70
Castings	4,732.79
Brick	2,209.63
Lumber	357.47
Coal	152.05
Use of Auto	80.00
Printing	112.80
Engineering	2,377.88
Other Expenses	1,351.16
Dynamite	542.05
Asphaltic Concrete	2,654.84
Crushed Stone	514.18
Transfers	1,344.58
	<u>\$116,270.96</u>
Balance	<u>\$ 4,510.56</u>

OAKLAND MAIN SEWER

From January 1, 1927 to December 31, 1927

Balance 1926	\$ 1,037.79
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EXPENDITURES

Sharpening Tools	\$	13.20
Teaming		91.50
Excavation		434.82
Backfilling		122.04
Equipment Repairs		50.92
Misc. Labor		177.88
Supervision and Office		10.81
Catch Basin		25.31
Watchman65
Ledge		33.42
Vacations		60.28
Timbering		16.96
	\$	1,037.79

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BOARD OF APPEAL



SECOND ANNUAL REPORT 1927

December 1, 1927.

Hon. Thomas J. Corbett,
Mayor of City of Lowell,
Massachusetts.

Dear Sir:

In compliance with Section 18 of the Buiding Ordinance, as amended, the Board of Appeal has the honor of submitting for your consideration the following report of its activities for the period of a year from December 1, 1926, to December 1, 1927, and offers herewith its recommendation that specific portions of the Ordinance be amended.

PATRICK O'HEARN, Chairman,
HARRY PRESCOTT GRAVES,
JOHN J. MULLANEY,
THADDEUS W. PARKE,
Provisional Member.

Attest:—

JOSEPH F. ROARKE,
Clerk of the Board.

MEETINGS AND MEMBERSHIP

This Board has had eighteen meetings in the period from December 1, 1926, to December 1, 1927; the first seven have been held with Raymond M. Humphrey as a member, his place thereafter being taken by John J. Mullaney as a regularly appointed member; the last three meetings with Thaddeus W. Parke, substituting as a member in place of Patrick O'Hearn, Chairman of the Board, who on account of illness has been confined at his home.

SUMMARY OF CASES CONSIDERED

During the official year forty-three appeals were received. These may be classified as follows:

Filling station locations	11
Public garage locations	2
Extension or reconstruction of existing garages	5
Private garages, location within restricted areas	8
Alteration to dwelling providing for additional tenement.....	1
Interpretation of Ordinance	1
Dwelling and store additions in restricted areas	6
Extensions to non-conforming uses	6
Barn	1
Greenhouses	2
Total	43

ACTION TAKEN

Favorable action was taken on thirty-six appeals. Two appellants were given leave to withdraw on their first appeal, but, after certain conditions had been complied with, favorable action was taken on the second appeal in each case. Therefore, in all, thirty-eight appeals were granted, and only five appellants were given final leave to withdraw.

In most of the cases considered, the appeal is a prescribed method cited by the Ordinance and it is therefore no reflection upon the judgment of the Inspector of Buildings when an appeal is taken.

For instance, the Appeal Board must pass on all petitions for public garages, filling stations, and stables before the Inspector of Buildings can issue a permit for their construction. The same is true of most of the other appeals.

With reference to building in restricted areas, the question is somewhat different. A limit is placed on the kind of building which shall occupy the front half of a lot, also a definite side yard and rear yard must be maintained. The occupancy of a lot is likewise limited in most districts. In such cases when a person is not satisfied with the ruling of the Inspector of Buildings, an appeal may be taken. This was done in some cases and your Board has used discretion in granting the appeal or giving the appellant leave to withdraw.

In its deliberations and decisions your Board has always given full weight to the intent and purpose of the Ordinance and in each instance has acted in the direction of safeguarding the interests of the public while at the same time giving relief to an appellant when his case merited it.

APPEALS

- No. 20—Raymond Otis Mulno, to conduct a filling station, cor. Lawrence and Boylston Sts. Granted.
- No. 21—Arthur G. Wright, to conduct a public garage, 307 Chelmsford St. Granted.
- No. 22—Joseph Gaudreau, to conduct a filling station, 264 West Sixth St. Granted.
- No. 23—Manuel J. Avila, to conduct a filling station, 700 Central St. Granted.
- No. 24—John T. Conway or Leo F. Emond, to build a public garage, 15 Smith St. Granted.
- No. 25—George A. Fernald, to erect two stall garage in restricted area, 45 Whitney Ave. Leave to Withdraw.
- No. 26—Oscar A. Anderson, to install tanks and pumps for a filling station, 267 Branch St. Granted.
- No. 27—Maria Papanotas, to build a garage in restricted area, 157 Crosby St. Granted.
- No. 28—Francis F. Cowdrey, to build a garage in restricted area, 119 Dunbar Ave. Leave to Withdraw.
- No. 29—Alexander Perkins, to rebuild a five stall garage, 90 Lincoln St. Granted.
- No. 30—George Rowe and William Bellaire, to build a two stall garage in restricted area, rear 222-224 West London St. Granted.
- No. 31—John Brady, to remodel a wooden garage by replacing the wood walls with concrete blocks, Lenton Court. Granted.

- No. 32—Myles R. Denno, for use permit to conduct a filling station, 7 Lincoln Square. Granted.
- No. 33—Avila Sawyer, to build a three-car garage on separate lot, 153 Fourth Ave. Granted.
- No. 34—John Manikis, to build a garage in restricted area, 902 Var-num Ave. Leave to Withdraw.
- No. 35—John J. O'Hara, for use permit to conduct a filling station, 1350 Middlesex St. Granted.
- No. 36—Lewis Rochette, for use permit to conduct a filling station, 396 Riverside St. Granted.
- No. 37—Mrs. C. Brooks Stevens, to build an additional one stall garage where three already exist, 236 Fairmount St. Granted.
- No. 38—Nathan Weisberg, to remodel a two family dwelling by changing over one tenement to two apartments, 538 Westford St. Granted.
- No. 39—James C. Donovan, to change a barn into a one-family dwelling in restricted area in rear of 160 Branch St., facing on Loring St. Granted.
- No. 40—Omer Descheneaux, to build a barn or stable, 93 Mt. Hope St. Granted.
- No. 41—Sabatino Profio, to change a barn in rear of dwelling, into a two-family dwelling, 1852 Middlesex St. Granted.
- No. 42—Celia O. Hebert, to build an addition for a dwelling and store, a non-conforming use, cor. Princeton and Webber Sts. Granted.
- No. 43—C. H. Abbott, to build an addition to a greenhouse, rear of 479 Princeton St. Granted.
- No. 44—Peter Georges, to erect a gasoline pump at 525 Pawtucket Boulevard. Granted.
- No. 45—George A. Fernald, to erect a two car addition to present five stall garage, 43 Whitney Ave. Leave to Withdraw.
- No. 46—John F. Halloran, to build a four stall garage, rear of the premises, 206-212 Pine Street, for the use of his tenants. Granted.
- No. 47—Mary Husson, to build a garage on front of lot, 72 Varney St. Leave to Withdraw.
- No. 48—Arceila O. Hebert, to build an addition for a store with three stall garage in the basement, cor. Princeton and Webber Sts. Granted.

- No. 49—Gedeon Houde, to erect a filling station, 41 Grand St., cor. of Westford St. Granted.
- No. 50—Bertha Gutknecht, to build an addition for an office to a repair shop, 204 Lincoln St. Granted.
- No. 51—Raymond S. Beals, to conduct a filling station, 316 Westford St. Granted.
- No. 52—Ella T. Purcell, to build an addition to rear of dwelling, taking up rear yard, 7 Devlin's Ave. First petition, Leave to Withdraw. Second petition, Granted.
- No. 53—Catherine V. Sweeney, to build a shed for the temporary storage and later sale, away from the premises, of coal and wood in small lots, Manchester St.—Lot 206. Granted.
- No. 54—Ray S. Byam, for an interpretation of what constitutes a business in a residential district. Granted.
- No. 55—Ellen Maguire, to build a bay window on the side of the property, 30 Carolyn St. Granted.
- No. 56—William O. Luther, for a greenhouse in rear of 189 Baldwin St. Granted.
- No. 57—Arthur Blanchette, to conduct a filling station, 447 Riverside St. Granted.
- No. 58—Morris Palefsky, for an addition of six stalls to garage, rear of 129 Westford St. Granted.
- No. 59—Pauline Traversy, to build a one stall garage on the front of the lot, 54 Shirley Ave. Granted.
- No. 60—Thomas Rochette, to build an addition to the rear of the premises in restricted area, 28 Race St. Granted.
- No. 61—Leon Osterlink, for an addition for storage to bakery in restricted area, rear of 17 Leeds St. Granted.
- No. 62—Michael J. McGoohan, to build a storage shed for the purpose of storing wood and coal, Manchester St.—Lot 206. First petition, Leave to Withdraw. Second petition, Granted.

RECOMMENDATIONS

The Zoning Ordinance became a law July 17, 1926, therefore, it is now in effect more than seventeen months. This would seem a reasonable time to test the benefits of such an act and we fully believe it has worked out to the advantage of the public generally. However, there is room for improvement and with this in mind, we have considered many suggestions regarding amendments thereto.

It is with some hesitation we make these recommendations for the reason that a precedent is established the moment an amendment is made and furnishes an argument for other amendments in the future. We feel however that this chance should be taken in order to perfect the law and herewith submit five recommendations as amendments to the Building and Zoning Ordinance.

First:—That the twelfth paragraph of Section 18 of the Building Ordinance be changed to read,

“It shall be the duty of the Board of Appeal to submit to the Mayor on or immediately following the first of January of each year a report giving a summary of all decisions of the Board, together with such recommendations of revisions of this Ordinance as may seem advisable to them.”

The time set by the Ordinance is December 1. Your Board feels the report should be for the calendar year.

Second:—That the sixth paragraph of the same section relating to the clerk shall be stricken out entirely.

Third:—That the property on each side of Manchester Street, bounded by the cemetery on the south, the property facing Blossom on the north, Gorham Street on the east, and Quebec Street on the west, be included in a B-60 district instead of an R-35 district as at present zoned.

Fourth:—That the east side of Perry Street now in an L-40 district be changed to a B-60 district.

Fifth:—That Section 17, Paragraph 6-A, which now reads “all lots within 120 feet of such lot” be changed to read “all lots abutting such lot.”

ANNUAL REPORT
of the
Outdoor Relief Department
and Mothers' Aid
of the
CITY OF LOWELL



For the Year Ending December 31, 1927

To His Honor the Mayor, Thomas J. Corbett, and the
City Council of the City of Lowell.

Gentlemen:

I herewith submit my report of the year 1927. This is the second annual report, at least since 1910.

The work that this department has accomplished is all provided for by the laws of the Commonwealth and has to be carried on.

We investigate all our cases insofar as it is humanly possible by our force.

It is work that has got to be carried out and it has advanced rapidly. I hesitate to predict anything but an increase in expenditures for 1928.

Respectfully submitted,

STEPHEN C. GARRITY,

Superintendent.

FINANCIAL STATEMENT OF CHARITY DEPARTMENT—YEAR 1927

CREDITS

Appropriation:

Salaries and Wages:

Original Appropriation	\$ 17,572.03
Additional Appropriation	478.33

\$ 18,050.36

Expense and Supplies:

Original Appropriation	\$145,000.00
Amt. carried from last year to take care of ambulance bill....	2,221.72
Additional Appropriation	15,000.00

\$162,221.72

\$180,272.08

Receipts credited to department....	\$ 156.50
Transfers	1,061.23

1,217.73

Returned to General Treasury Fund

\$181,489.81
21.77

Total Credit

\$181,468.04

DEBITS

Expenditures:

Salaries and Wages	\$ 18,050.36
Expense and Supplies	163,417.68

Total Debit

\$181,468.04

NET EXPENSES OF OUTDOOR RELIEF DEPARTMENT—YEAR 1927

Gross Expenditures \$181,468.04

Less:

Department Receipts	\$ 156.50
Receipts to General Treasury Fund	13,389.38
Medicine Furnished Chelmsford St. Hospital	950.93
Medicine Furnished Soldiers' Aid	1.25
Medicine Furnished Board of Health	109.05
Amt. carried forward for ambulance bill of year 1926	2,221.72

16,828.83

ACTUAL COST TO CITY OF LOWELL FOR

OUTDOOR RELIEF

\$164,639.21

**OUTDOOR RELIEF APPROPRIATIONS, RECEIPTS AND
EXPENDITURES—YEAR 1927**
(Per Auditor's Report)

Salaries and Wages:	
Appropriation	\$18,050.36
Total Credit	\$18,050.36
Expenditures	18,050.36
Net Balance	
Expense and Supplies:	
Appropriation	\$160,000.00
Balance from 1926	2,221.72
Departmental Transfers	1,061.23
Refunds	156.50
Total Credit	\$163,439.45
Expenditures	\$161,195.96
Municipal Transfer	2,221.72
Net Balance	21.77
Total Debit	\$163,439.45

**OUTDOOR RELIEF STATEMENT OF RECEIPTS AND
EXPENDITURES—1927 ACCOUNT**

Receipts:	
Original Appropriation	162,572.03
Amount carried forward from 1926 to take care of ambulance bill	2,221.72
Additional Appropriations	15,478.33
Transfers	1,061.23
Cash refund by City Treasurer	156.50
	<hr/>
	\$181,489.81
Expenditures:	
Aid and Relief—Aided in Lowell:	
City Cases	\$136,807.02
Other Cities and Towns	2,852.23
State Cases	13,227.44
Support of Patients in Outside Institutions....	1,760.72
Support of Patients at Div. Aid & Relief (State Infirmary)	1,470.19
Support of Patients—State Div. Child Guard- ianship	1,985.27
Ambulance Service—held over from 1926	2,221.72
	<hr/>
	\$160,324.59
General Expense:	
Salaries of all Employees	\$ 18,050.36
Office Expenses and Miscellaneous	1,995.89
Transportation	470.61
Auto Maintenance	626.59
	<hr/>
	21,143.45
Balance Unexpended Dec. 31, 1927	21.77
	<hr/>
	\$181,489.81

OUTDOOR RELIEF BILLS COLLECTED OR MONEY RECEIVED FROM STATE FROM JAN. 1, 1927 TO DEC. 31, 1927

Year 1927	1921	1922	1923	1924	1925	1926	Total
.....	\$7.50	\$194.00	\$127.25	\$90.90	\$138.00	\$8,739.90	\$9297.55

BILLS COLLECTED—CHARITY DEPARTMENT—OUTDOOR RELIEF, FROM CITIES AND TOWNS FROM JANUARY 1, 1927 TO DECEMBER 31, 1927 AND DATES WHEN AID WAS RENDERED

	1915	1921	1922	1923	1924	1925	1926	1927	Total
Andover							\$ 22.75	\$122.98	\$145.73
Billerica							258.25	24.00	282.25
Boston							42.25		42.25
Carlisle							63.87		63.87
Chelmsford					\$51.88		85.00	395.03	531.91
Chicopee									7.00
Clarksburg	\$36.00			\$7.00					36.00
Dedham								24.49	24.49
Dracut		\$7.50					44.00	187.49	238.99
Fitchburg							182.25		182.25
Haverhill							486.32	572.91	1059.23
Lawrence			\$4.00				54.50	345.46	403.96
Lexington						\$4.00		13.50	17.50
Lynn								14.00	14.00
Northboro								26.50	26.50
Peabody				\$424.00		30.50			454.50
Quincy								40.00	40.00
Southbridge							19.75		19.75
Taunton						66.75	38.50	180.00	285.25
Tewksbury								120.40	120.40
Uxbury	3.00							3.00	3.00
	\$39.00	\$7.50	\$4.00	\$431.00	\$51.88	\$101.25	\$1297.44	\$2066.76	\$3998.83

BILLS COMMITTED—YEAR 1927

	Amount
January	\$ 5,670.45
February	528.18
March	637.33
April	898.94
May	1,585.37
June	1,089.58
July	4,455.89
August	442.80
September	578.82
October	1,475.13
November	262.55
December	343.55
Total	<u>\$17,968.59</u>

CASH RETURNED TO CITY TREASURER—DURING YEAR—1927 DIVIDED AS FOLLOWS:

Receipts from State:

Temporary Aid	\$7,984.43
Sick Poor	220.37
Wife Settlement	957.75
Burials	<u>135.00</u>

\$9,297.55

Receipts from Cities and Towns	3,998.83
Receipts from Individuals	<u>93.00</u>

Total	<u>\$13,389.38</u>
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RECEIPTS—YEAR 1927—OUTDOOR RELIEF—MONTHLY

	General Treasury	Cash Returned	Totals
January	\$1,093.29	<u> </u>	\$1,093.29
February	1,169.24	\$12.00	1,181.24
March	1,457.77	<u> </u>	1,457.77
April	122.72	<u> </u>	122.72
May	707.69	38.00	745.69
June	5,645.36	15.00	5,660.36
July	288.63	<u> </u>	288.63
August	657.38	24.50	681.88
September	326.99	23.00	349.99
October	<u> </u>	24.00	24.00
November	871.69	<u> </u>	871.69
December	1,048.62	20.00	1,068.62
Totals	<u>\$13,389.55</u>	<u>\$156.50</u>	<u>\$13,545.88</u>

**AMOUNTS RECEIVED FROM CITIES AND TOWNS ON ACCOUNT
OF THEIR SETTLEMENTS IN LOWELL**

Cities	Amount	Towns	Amount
Boston	\$ 42.25	Andover	\$145.73
Chicopee	7.00	Billerica	282.25
Fitchburg	182.25	Carlisle	63.87
Haverhill	1,059.23	Chelmsford	531.91
Lawrence	403.96	Clarksburg	36.00
Lynn	14.00	Dedham	24.49
Quincy	40.00	Dracut	238.99
Taunton	285.25	Lexington	17.50
	<hr/>	Northboro	26.50
Total	\$2,033.94	Peabody	454.50
		Southbridge	19.75
		Tewksbury	120.40
		Uxbridge	3.00
			<hr/>
		Total	\$1,964.59
Total Amount Received from both Cities and Towns.....			
\$3,998.53			

OUTDOOR RELIEF—EXPENSES AND SUPPLIES—DETAILED EXPENSES IN 1927

	Jan.	Feb.	Mar.	Apr.	May	June	July	Sept.	Oct.	Nov.	Dec.	Total
Cash Allowances	\$3560.50	\$3611.00	\$3634.50	\$3758.00	\$3775.00	\$3835.50	\$3732.50	\$3738.50	\$3631.50	\$3647.00	\$3637.00	\$44319.00
Burials	80.00	78.00	180.00	100.00	400.00	200.00	100.00	160.00	120.00	120.00	40.00	1758.00
Coke,	2246.61	1724.06	1375.06	315.25	26.00	—	6.98	—	57.44	330.00	264.00	6352.58
Div. Aid & Relief												
Dept. Pub. Welfare	300.29	—	—	453.83	61.00	—	342.50	—	312.57	—	—	1470.19
Div. Child Guardianship												
Dept. Pub. Welfare	337.43	—	455.74	—	—	65.71	354.84	—	354.84	—	351.00	1985.27
Dispensary	204.47	332.80	193.51	138.23	158.73	136.97	282.38	177.18	132.55	301.75	16.60	2377.87
Dodge and Auto												
Transportation	141.88	25.50	115.02	72.31	66.78	72.00	55.00	—	—	—	78.10	626.59
Food	9428.97	8981.82	9560.59	8993.80	7361.13	7108.75	6602.83	6066.72	5186.96	5413.12	4761.33	85105.68
Local Institutions ...	848.00	616.25	945.25	628.05	634.50	583.50	544.75	713.80	368.25	775.00	169.50	7437.00
Office	237.72	44.86	383.95	197.72	151.98	313.33	245.86	107.41	68.05	21.20	31.75	1995.89
Outside Institutions	48.72	30.50	534.46	44.57	56.23	496.73	24.36	—	116.28	—	—	1760.72
Transportation	53.00	—	62.00	22.00	125.00	39.00	38.00	10.00	40.00	71.61	22.70	493.31
Wood	687.00	552.00	519.00	451.00	461.00	370.00	277.00	278.00	398.00	531.00	478.00	5347.00
Supt.'s Expense	14.06	—	6.50	—	—	6.50	3.25	—	—	4.95	—	50.41
Board of Health	36.43	—	—	—	—	—	—	—	—	—	—	115.71
Sealer's Dept.	—	—	—	—	—	—	—	—	—	—	—	0.74
Ambulance (carried for-												
ward from 1926	—	—	—	—	2221.72	—	—	—	—	—	—	2221.72
Total	\$18225.08	\$16026.79	\$18014.86	\$15178.01	\$15499.07	\$13277.99	\$12610.25	\$11251.61	\$10786.44	\$11216.37	\$9849.98	\$163417.63

CHARITY DEPARTMENT—OUTDOOR RELIEF—SALARIES AND WAGES—EXPENDITURES IN DETAIL, 1927

	Jan.	Feb.	Mar.	Apr.	May	June	July	Sept.	Oct.	Nov.	Dec.	Total
Clerks	488.39	468.84	468.84	586.05	468.84	468.84	586.05	468.84	586.05	468.84	584.09	6112.51
Attendant and												
Pharmacist	334.37	321.00	321.00	401.25	321.00	321.00	401.25	321.00	401.25	321.00	401.95	4186.17
Physicians	263.28	237.84	263.28	231.44	263.28	254.80	263.28	263.28	230.37	254.80	263.28	3043.73
Visitors	298.96	287.00	252.00	183.75	147.00	147.00	183.75	147.00	183.75	147.00	183.74	2307.95
Superintendent	191.79	184.12	184.12	230.15	184.12	184.12	230.15	184.12	230.15	184.12	228.92	2400.00
Total	\$1576.79	\$1498.80	\$1489.24	\$1632.64	\$1384.24	\$1375.76	\$1664.48	\$1384.24	\$1631.57	\$1375.76	\$1661.08	\$18,050.36

NUMBER OF ORDERS GIVEN FROM CHARITY DEPARTMENT— OUTDOOR RELIEF

	Coke & Coal	Groceries	Wood	Total
January	559	2295	592	3446
February	494	2377	552	3423
March	394	2582	519	3495
April	97	2347	451	2895
May	8	1915	461	2384
June	0	1875	370	2245
July	2	1741	277	2020
August	0	1646	278	1924
September	2	1620	345	1967
October	16	1500	398	1914
November	25	1543	531	2099
December	80	1344	478	1902
	<hr/>	<hr/>	<hr/>	<hr/>
Totals	1677	22785	5252	29714

YEAR 1927—OUTDOOR RELIEF

Number of Families Aided	1100
Number of Adults Aided	1730
Number of Minors Aided	2778
	<hr/>
Total Number of Persons Aided	4508
Number of City Cases	920
Number of State Cases	134
Number of City and Town Cases	26
Number of Wife Settlement Cases	20
	<hr/>
Total Number of Cases Aided	1100
Number of Cases New This Year	224
Causes for Aid:	
Unemployed	490
Old Age	212
Hospital	74
Sickness	127
Death	73
Desertion	88
Separated	3
Jail	24
Blind	9
	<hr/>
Total	1100

NOTICES RECEIVED—YEAR 1927

Outdoor Relief Cases:

State Cases		24
Acknowledged	21	
Denied	3	
	<hr/>	
City and Town Cases		140
Acknowledged	67	
Denied	73	
	<hr/>	

Board of Health Cases:

State Cases		15
Acknowledged	15	
Denied	0	
	<hr/>	
City and Town Cases		18
Acknowledged	14	
Denied	4	
	<hr/>	

State Aid Cases:

City and Town Cases		2
Acknowledged	1	
Denied	1	
	<hr/>	

Total Notices Received—State, Cities and Towns....	199
Total Notices Received of Out of City Applicants—	
State, Cities and Towns	199

**CASES TREATED AT CITY DISPENSARY—DISTRICT PHYSICIANS
FOR THE YEAR 1927**

DISTRICTS

	One	Two	Three	Four	Five	Six	Seven	Eight	Total
January	59	40	17	17	44	32	—	—	209
February	45	40	25	34	64	38	—	—	246
March	51	51	27	22	52	38	—	—	241
April	52	23	21	14	47	13	67	—	237
May	44	35	15	26	39	—	49	—	208
June	33	21	17	35	40	—	32	—	178
July	46	25	19	34	38	—	29	21	212
August	82	43	22	17	30	—	37	—	231
September	45	33	12	36	40	—	20	15	201
October	55	33	16	35	40	24	—	—	203
November	61	41	32	5	30	—	31	21	221
December	47	17	22	45	35	—	78	10	254
Totals	620	402	245	320	499	145	343	67	2641

CASES TREATED AT LOCAL HOSPITALS—YEAR 1927

	Lowell Isolation	Lowell Corporation	Lowell General	St. John's	Totals
January	2	14	3	30	49
February	2	14	3	31	50
March	1	14	6	25	46
April	0	10	1	21	32
May	0	13	0	20	33
June	0	13	3	24	40
July	0	15	2	23	40
August	0	11	2	20	33
September	0	6	2	20	28
October	0	10	2	14	26
November	0	8	10	32	50
December	0	11	4	18	33
Totals	5	139	38	278	460

NUMBER OF VISITS MADE BY INVESTIGATORS—OUTDOOR RELIEF DEPARTMENT

	No. 1	No. 2	Total
January	300	—	300
February	276	—	276
March	209	—	209
April	184	—	184
May	141	45	186
June	121	12	133
July	74	7	81
August	—	—	—
September	152	31	183
October	124	5	129
November	156	39	195
December	191	3	194
Totals	1928	142	2070

NUMBER OF CASES TREATED AT OUTSIDE INSTITUTIONS YEAR 1927

With Settlements in Lowell	Number
Hospital Cottages for Children, Baldwinville, Mass.	1
Carney Hospital, Boston, Mass.	1
Division Child Guardianship—Children care of State Infirmiry.....	7
Children's Hospital, Boston	1
Massachusetts Hospital School, Canton, Mass.	9
Harvard Infantile Paralysis Commission	1
New England Home for Little Wanderers, Boston, Mass.	1
Pondville Hospital, Norfolk, Mass.	1
Cities and Towns (No. families having settlements in Lowell aided by Cities and Towns where they reside)	67
Totals	89
No. of persons committed to Chelmsford Street Hospital during year 1927	400
No. of persons committed to State Infirmiry during year 1927.....	151

NUMBER OF PRESCRIPTIONS GIVEN BY CITY DISPENSARY— YEAR 1927

January	668
February	719
March	771
April	694
May	672
June	668
July	577
August	629
September	581
October	612
November	635
December	757
Total	7983

NUMBER OF BURIALS—YEAR 1927

	Adult	Minor	Total
January	2	2	4
February	—	—	—
March	2	1	3
April	4	1	5
May	5	2	7
June	5	2	7
July	3	0	3
August	2	2	4
September	4	1	5
October	3	1	4
November	3	1	4
December	4	3	7
Totals	37	16	53

MEDICINE FURNISHED CHELMSFORD STREET HOSPITAL FROM CITY DISPENSARY—1927

	Amount
January	\$169.60
February	62.45
March	92.50
April	89.70
May	87.85
June	68.65
July	80.65
August	90.45
September	53.78
October	68.85
November	86.45
December	90.75
Total	\$1041.68

RECEIPTS—MOTHERS' AID—YEAR 1927

Month	Aid	Cash Returned	Totals
January	\$ 992.77	\$17.50	\$ 1010.27
February	19396.46	—	19396.46
March	643.85	—	643.85
April	—	—	—
May	—	—	—
June	252.76	—	252.76
July	—	—	—
August	—	15.00	15.00
September	447.31	—	447.31
October	—	—	—
November	—	22.50	22.50
December	1035.74	—	1035.74
Totals	\$22768.89	\$55.00	\$22823.89

FINANCIAL STATEMENT—MOTHERS' AID—YEAR 1927

CREDITS

Appropriation:	
Original Appropriation	\$101,366.33
Additional Appropriation	175.00
Cash refund by City Treasurer	37.50
Transfer	90.75
	<hr/>
Total Credit	\$101,569.63
Cash returned to General Treasury Fund	1.30
	<hr/>
Total Credit	\$101,669.63

DEBITS

Expenditures:	
Salaries and Wages	\$ 99,969.63
Expenses and Supplies	1,698.70
	<hr/>
Total Debit	\$101,668.33

NET EXPENSES OF MOTHERS' AID

Gross Expenditures	\$101,668.33
Less Department Receipts	128.25
	<hr/>
	\$101,540.08
Less Receipts to General Treasury Fund	22,768.89
	<hr/>
Actual Cost to City of Lowell for Aid Furnished to Dependent Mothers	\$ 78,771.19

STATEMENT OF RECEIPTS AND EXPENDITURES 1927

ACCOUNT MOTHERS' AID

Receipts:

Original Appropriation	\$101,366.38
Additional Appropriation	175.00
Cash Refunded by City Treasurer	37.50
Transfers	90.75

\$101,669.63

Expenditures:

Aid and Relief:

Cash Grants—

Lowell Cases	\$ 89,151.75
State Cases	5,315.00
Out of Town Cases	2,835.00

\$ 97,301.75

Medicine and Medical Attendance 735.50

Cities and Towns for Relief Lowell Poor..... 1,030.11

Local Institutions 333.75

\$99,401.11

General Expense:

Salaries—Visitor	\$1,935.38
Office Expenses	192.35
Auto Maintenance	139.49

2,267.22

Balance Unexpended Dec. 31, 1927 1.30

\$101,669.63

MOTHERS' AID—APPROPRIATION, RECEIPTS AND EXPENSES, YEAR 1927

(Per Auditor's Report)

Salaries and Wages:

Appropriation	\$98,141.38
Municipal Transfer	1,700.00
Departmental Transfers	90.75
Refunds	37.50

Total Credit \$99,969.63

Expenditures 99,969.63

Expense and Supplies:

Appropriations	\$3,400.00
Expenditures	1,698.70
Municipal Transfers	1,700.00
Net Balance	1.30

\$3,400.00

MOTHERS WITH DEPENDENT CHILDREN

BILLS COLLECTED OR MONEY RECEIVED FROM CITIES AND TOWNS FROM JAN. 1, 1927 TO DEC. 31, 1927

	1922	1923	1924	1926	1927	Total
Dracut				\$124.67		\$124.67
Lawrence				200.00	\$575.65	775.65
Lexington	\$201.48	\$201.15			195.00	597.63
Malden	200.00	114.33	\$75.81			390.14
New Bedford					252.31	252.31
Totals	\$401.48	\$315.48	\$75.81	\$324.67	\$1022.96	\$2140.40

MOTHERS WITH DEPENDENT CHILDREN

BILLS COLLECTED OR MONEY RECEIVED FROM STATE FROM JANUARY 1, 1927 TO DECEMBER 31, 1927

	1924	1925	1926	Total
Year 1927	\$301.25	\$639.45	\$19,687.79	\$20,628.49

CASES TREATED AT LOCAL HOSPITALS—YEAR 1927

	Lowell Corporation	St. John's	Total
January	1	4	5
February	0	2	2
March	3	0	3
April	1	1	2
May	1	1	2
June	1	7	8
July	1	4	5
August	1	2	3
September	0	1	1
October	1	0	1
November	0	3	3
December	1	1	2
	<hr/>	<hr/>	<hr/>
Totals	11	26	37

BILLS COMMITTED DURING YEAR 1927

	Amount
January	<hr/>
February	\$10.00
March	<hr/>
April	<hr/>
May	<hr/>
June	<hr/>
July	<hr/>
August	\$26,247.06
September	10.00
October	10.00
November	<hr/>
December	218.67
	<hr/>
Total	\$26,495.73

**AMOUNTS PAID TO CITIES AND TOWNS ON ACCOUNT OF
MOTHERS' AID CASES RESIDING THEREIN YEAR 1927**

Town of Billerica	\$364.10
Town of Tewksbury	500.00
Town of Dracut	112.67
Town of Westford	<u>53.34</u>
Total	\$1030.11

**AMOUNTS RECEIVED FROM CITIES AND TOWNS ON ACCOUNT
OF THEIR MOTHERS' AID CASES RESIDING IN LOWELL
YEAR 1927**

CITIES	TOWNS
Lawrence .....\$775.65	Lexington .....\$195.00
Malden 792.77	Dracut <u>124.67</u>
New Bedford <u>252.31</u>	Total .....\$319.67
Total .....\$1820.73	
Total Amount Received	\$2140.40

**MEDICINE FURNISHED MOTHERS' AID CASES YEAR 1927
FROM CITY DISPENSARY**

	Amount
January	\$14.00
February	14.85
March	14.00
April	9.00
May	13.80
June	7.25
July	17.75
August	12.15
September	11.20
October	15.20
November	15.25
December	14.25
Total	<u>\$158.70</u>

**MOTHERS' AID—FAMILIES TREATED AT THEIR HOMES BY
MOTHERS' AID PHYSICIANS**

January	17
February	24
March	19
April	11
May	20
June	13
July	14
August	24
September	19
October	7
November	13
December	23
Total	<u>204</u>

SALARIES AND WAGES—MOTHERS' AID—DETAILED EXPENDITURES YEAR 1927

	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Total
Cash Allowances	8043.00	8150.50	8123.00	8103.00	8090.50	8233.00	8208.00	8201.50	8305.00	8122.50	7927.50	7794.25	97,301.75
Physician	29.30	26.47	29.30	28.36	29.30	28.36	29.30	29.30	28.36	29.30	28.36	29.29	345.00
Optometrist	32.91	29.73	32.91	31.85	32.91	31.85	32.91	32.91	31.85	32.91	31.85	32.91	387.50
Visitor	154.58	148.40	148.40	185.50	148.40	148.40	185.50	148.40	148.40	185.50	148.40	185.50	1,935.38
Totals	8259.79	8355.10	8333.61	8348.71	8301.11	8441.61	8455.71	8412.11	8513.61	8370.21	8136.11	8041.95	99,969.63

MOTHERS' AID—EXPENSE AND SUPPLIES—DETAILED EXPENDITURES IN 1927

	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.	Dec.	Total
Cities and Towns	53.34	—	—	—	500.00	—	—	476.77	—	—	1030.11
Local Institutions	86.25	10.50	21.00	12.00	10.50	56.50	45.50	6.00	—	85.50	333.75
Office .....	.85	—	—	—	—	—	171.50	4.00	13.75	2.25	192.35
Dodge	—	36.75	72.77	29.97	—	—	—	—	—	—	139.49
Dispensary	—	—	1.00	—	—	—	2.00	—	—	—	3.00
	140.44	47.25	94.77	41.97	510.50	56.50	219.00	486.77	13.75	87.75	1698.70

MOTHERS' AID 1927

Number of Cases Dec. 31, 1926	155
Number of new cases aided during year 1927	27
	—
Total number cases aided during year 1927	182
Total number of cases discontinued during year 1927.....	34
	—
Total number cases remaining Dec. 31, 1927	148
Number of children under 14 years of age	426
Number of children over 14 years of age	122
	—
Total number of children	548
Total number of persons	696

CAUSES

Death of Wage Earners	120
Total Disability	5
Tuberculosis	1
Insane	6
In Jail	2
Deserted	14
	—
	148

CASH RETURNED TO CITY TREASURER DURING THIS PERIOD MOTHERS' AID

Receipts from State for aid under Chapter 118	\$20,628.49
Receipts from Cities and Towns.....	2,140.40
	—
Total	\$22,768.89
Number of Families having settlements in Lowell aided by	
Cities and Towns where they reside	3

